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The Chemical Market Authority Since 1871

Volume 152 No. 8 August 25, 1947

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Oil, Paint and Drug Reporter

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Alkalis Export Licensing Restrictions Appealed

The Office of International Trade last week appealed to the review committee for a modication of the restrictions imposed recently by the Interagency Export Policy Control Board that are preventing the issuance of any more licenses for the exportation of soda ash and caustic soda during the third quarter of this year. Officials of the OIT expressed confidence that some relief would be granted, although they did not know in what form or when.

The review board was asked at a meeting August 20 to take either of two actions:—enlarge considerably the quota of 44,000 short tons established for the third quarter for the two materials so that additional licenses could be issued, or do away with the retroactive effects of the quota so as to make it applicable only to future licenses. The quota that has been established and scheduled to run until October 1 is 28,000 short tons of caustic soda and 16,000 short tons of soda ash.

Heretofore licenses have been issued for the exportation of alkalies under a more-or-less voluntary understanding between the government and the producers as to the amount that would be exported. No formal quotas, as such, were in effect, nor did OIT officials feel the necessity of fixing a quota. A recent flood of applications for licenses, however, brought protests from consumers and disturbed the export policy board to the point of establishing such quotas for the first time and at a level almost equal to the amount covered by licenses already issued for the third quarter.

The effect of this action was virtually to bar the issuance of any further licenses until October 1 even though it was to be expected that many of the licenses issued would not be used in all probability because the holders would be unable to find foreign outlets for the alkalis at the prices they were asking.

Government statistics show this to be the record in the past, and OIT officials have urged the review committee to consider this factor in reviewing the problem now presented by the board's action.

Vegetable, Fish Oils Allocated to Shortage Area

Allocation of 47,500,000 pounds of liquid oils for immediate export to a number of countries against tentative allocation for the fourth quarter of 1947, was announced last week by the Department of Agriculture.

The allocations, which are to meet urgent requirements abroad, are in line with recent recommendations of the International Emergency Food Council. Included are 5,500,000 pounds of peanut oil, 22,300,000 of soybean oil, 11,000,000 pounds of cottonseed oil and 8,800,000 pounds of fish oil. The breakdown of allocations are as follows:—

New Zealand, 2,200,000 pounds of peanut oil; Czechoslovakia, 2,200,000 of soybean oil; Philippine Islands, 1,100,000 pounds of peanut oil; Canada, 1,100,000 pounds of peanut oil and 3,300,000 pounds of soybean oil; France, 3,300,000 pounds of soybean oil and 4,400,000 pounds of fish oil; Netherlands, 3,300,000 of soybean oil, 3,300,000 pounds of cottonseed oil and 4,400,000 pounds of fish oil; Switzerland, 2,200,000 pounds of cottonseed oil; Finland, 1,100,000 pounds of peanut oil; French colonies, 2,200,000 pounds of soybean oil; Latin America, 2,500,000 pounds of soybean oil and 2,200,000 pounds of cottonseed oil; Denmark, 3,300,000 pounds of soybean oil, and Norway, 2,200,000 pounds of soybean oil.

Export Freight Permit Rules Revised by ODT

Revocation of all unit permit requirements for the shipment of overseas freight has been announced by the Office of Defense Transportation. Revision of ODT order 16C, general permit 1A, will enable all export shipments as specified in general order 16C to move from point of origin to port of export under a general permit.

This general permit will take the form of a certification by the shipper to the origin carrier that a firm steamship booking has been secured or that port storage arrangements have been made, whichever is applicable. Carriers will continue to be responsible for the refusal of any such shipments which do not comply with the certification specifications.

A Change for Better Service

Yes—"OPD looks different this week!" And the difference is something more than a change of appearance. OPD is now printed on fast, rotary presses—in the manner of newspaper printing—with the purpose of more promptly providing its readers with information on prices and other market conditions.

For more than seventy-five years, OPD was printed on flatbed presses. That process has become impracticable and unsatisfactory for several reasons:—(1) Increased circulation required more time for completion of press runs; (2) printers and binders have shortened their workweeks; (3) postal delivery service has slowed up. This combination of circumstances made it necessary to close the last forms of each issue at least half a day before the end of the business week, to close the revision of price changes sometimes a full day ahead. The handling and mail delivery added at least another day of lost time. This has meant that those who rely on OPD for information on prices and other market conditions have had to wait until Tuesday or later to learn what happened the previous Thursday.

That lag has been no less satisfactory to us than to them. So we have gone on a new, fast schedule. The forms are open until the close of business Friday. The printing is done Friday night. The mailing starts right away. We expect and trust that this will make OPD again a Monday morning paper, with the latest of the preceding week's news.

Cuban Molasses Sales Continue to Mount

OPD Washington Bureau

Sales of Cuban blackstrap molasses by the Reconstruction Finance Corporation reached a total of 93,650,000 gallons on August 15 when the agency disposed of two more cargoes totalling 2,550,000 gallons on that date to the highest bidder.

The latest shipments went to the Industrial Molasses Corporation, Philadelphia, at 24.16 cents a gallon for a cargo of 1,800,000 gallons due to arrive September 3, and to the U. S. Industrial Chemicals Corporation, Newark, N. J., at 24.59 cents a gallon for a cargo of 750,000 gallons due to arrive September 9.

OAP Revises Claims Rules

OPD Washington Bureau

A series of amendments to rules of procedure for handling claims in the Office of Alien Property were issued last week by David L. Blazelon, director of OAP. Officials explained that the amended rules were of no great significance and merely formalized the procedure within the office in accordance with the requirements of the Administrative Procedure Act.

Organic Chemicals Output Viewed Favorably by Govt.

Production of most inorganic chemicals continues at a high level, with the output of many above that of a year ago, according to the Department of Commerce. Improvement in the alkali shortage is being noted and predictions have been made that next year's production will be ample to meet requirements, the department's report said.

The domestic demand for bichromates has slackened somewhat, with practically all needs now being filled, while industrial requirements for nitrogenous compounds also are usually met without difficulty, the department declared. The report stated that phosphatic compounds are still in short supply, particularly the sodium phosphates, and sodium sulphates are not being produced in sufficent quantity to meet demand. Domestic requests for sulphur and sulphuric acid were said to have been satisfied in virtually all cases.

The department reported a brighter outlook for coaltar crudes, to be reflected in a better supply of intermediates; higher production of acetone, acetic acid, and many other non-cyclic organic chemicals and increase in the use of fertilizers.

Price Trend Descends Further

Recently prevailing influences had a further depressing effect on prices in the markets for chemicals, oils, and drugs last week. The controlling forces were all in the areas of animal and vegetable derivatives, neither inorganic nor organic mineral products being changed either way. The heavy weight again was applied from the fatty and volatile oils sections. The underlying reason continued to be the increasing of supplies, immediate and imminent, and the easiness of demand.

Four leading domestic vegetable oils and the two biggest fish oils were reduced. The essential oil movement, while not so expansive as recently, was all downward. Half a dozen aromatic derivatives went along. The naval stores situation was mixed. Pine oil and pinetar and oil were advanced; destructively distilled wood rosin and turpentine were reduced and so were alphapinene and dipentenes. Latin American economic ideas were reflected in advances in castor beans and carnauba and ouricury waxes. The upward change in casein was domestic, however. Botanical drugs were relatively inactive; goldenseal and saffron were cheaper; senega was dearer. Spices had a split array, but the more important ones, such as cassias, cinnamons, cloves, and black pepper, were going up. Sago flour and wattle bark moved in the same direction.

Conditions tightened in alkalies. Most buyers were surprised by the higher quotations on caustic soda and chlorine named by one producer for October 1. Speculative holdings gained little thereby in the face of the new export-control. They were bought well above producers' figures. Silver got another big push upward, carrying the nitrate along. Advances are looked for in the areas of copper and other nonferrous metal salts. Bichromates are getting tighter.

Cyclic organics are very tight, for the most part. Price-lines are still held, but even established consumers are not getting enough. New production of dichlorobenzenes is expected to bring some relief in that direction before the end of the year.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Aug. 22, 1947	Aug. 14, 1947	Aug. 22, 1946
139.7	**140.4**	**136.3**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1947	1946	1945	1941
January	150.9	135.3	133.0	107.8
February	151.9	135.4	133.2	110.3
March	154.9	135.2	132.7	111.9
April	152.3	134.9	132.2	115.5
May	145.9	135.1	132.5	118.2
June	143.9	135.4	132.5	121.9
July	142.5	137.7	133.5	125.5
Year's average	*148.9	138.8	133.3	123.2

* Seven months.

Chemical Trade Protests ICC Explosives Rules

OPD Washington Bureau

Various associations in the chemical and allied fields are protesting to the Interstate Commerce Commission against a commission proposal for continuing indefinitely the application of its safety regulations to private motor carriers of explosives and dangerous articles.

The safety regulation governing contract and common carriers of property by motor vehicle were applied to the private carriers under the wartime authority of the commission in June, 1943. The requirements applied not only to interstate movements but to intrastate movements as well.

Owners of the carriers have asked the commission to rescind the order on the grounds that the necessity for its original issuance has now passed and the order is imposing an unwarranted burden on the operators. They also raised the question of the commission's legal authority to compel private carriers engaged solely in intrastate operation to adopt the safety rules.

They have informed the commission that the record of safety of the private carriers is many times better than that of the contract or for-hire carriers and challenged the commission to show the need for the continued inclusion of the private carriers under its order.

Philippine Copra July Shipments to U.S. Increased

OPD Washington Bureau

Philippine copra shipments to the United States during July totaled 27,714 tons, a marked increase over the 11,570 tons exported to this country in June, according to cable advices received last week by the Department of Commerce. After the sharp slump in exports from the islands experienced at the start of the second quarter, shipments to all destinations have begun to rise again, reaching 56,941 tons for July as compared with 32,149 tons in June.

According to Thomas Hibben, advisor on economical development of the Office of International Trade, who has recently returned from a four month visit to the Philippines, the copra industry appears to have now completely recovered from the war and indications are that this year's copra exports will exceed prewar shipments by 100 percent, and in 1948 exports will be even higher.

He did not believe, however, that the islands would reach their prewar level of 185,000 tons of coconut oil production before 1949 because of the difficulty of getting machinery to replace that damaged during the war. Exports of the oil this year, he said, have been sharply reduced as a result of war-damaged plants. He estimated 1947 production of the oil at 85,000 tons, of which 50,000 tons would be consumed locally.

Steamship Freight Firms Join ICC Rate Hearings

OPD Washington Bureau

Application was made to the Interstate Commerce Commission last week by the coastwise carriers serving the Atlantic and Gulf ports for authority to increase their tariffs and charges in line with the new 16 percent increase in freight rates sought by the railroads. Hearings on the request will open September 9.

The eleven intercoastal lines asked that the increases apply to joint ocean-rail and ocean-truck rates as well as to all-water rates. They based their request on the grounds of higher operating costs, claiming that wages and supplies have increased 150 percent and the basic longshoremen's rates are up 60 percent over levels of 1941.

In conjunction with their request for increased freight rates, the steamship lines also asked that certain materials "singled out to receive preferential treatment" by the rail carriers should receive treatment identical to that received by all other items. The coastal ship operators declared that all of these items are of the "utmost importance to the steamship lines."

Listed among the items for which the railroads wish to hold down rates are sulphur, salt, iron and steel articles, lumber, fruits, vegetables and cotton.

Quinine to Be Released For Proprietary Use

OPD Washington Bureau

Limited amounts of quinine from government stocks are to be made available for manufacture of proprietary products and for industrial and other uses, it was announced last week by the Office of Materials Distribution. Previously, use of the drug when obtained from government sources was restricted to anti-malarial purposes.

Manufacturers of proprietaries and others who wish to obtain and use quinine should submit applications to OMD on form OMD 2945, covering their September requirements, if they have not already done so. These applications will be processed as received under conservation order M131.

OMD emphasized that relaxation of procedures applied only to quinine and not to quinidine, the supply of which is still insufficient to meet needs for its use in cardiac treatments.

Miles Laboratories Buys Chemical Specialties, Inc.

Miles Laboratories, Inc., Elkhart, Ind., has purchased Chemical Specialties, Inc., Zeeland, Mich., through the exchange of common stock. Dr. Lucas P. Kyrides, former director of research of the organic chemicals division of Monsanto Chemical Company, St. Louis, will be the new president of Chemical Specialties on September 1, when he resigns from Monsanto. Executive vice-president and general manager of the firm will be Edward J. DePree, its general manager before the sale to Miles.

Solvay Sales Corp. Revises Calcium Chloride Prices

Solvay Sales Corporation, New York, has announced the discontinuance of zone delivered prices on carload and less carload shipments of Solvay calcium chloride, and the establishment of a new schedule of f.o.b. works prices. Effective at once prices on carload shipments of Solvay calcium chloride are as follows:—

Solvay 77-80 percent flake calcium chloride in 100-pound moisture-proof paper bags, $22 per net ton, f.o.b. Solvay, N. Y., freight equalized with recognized competitive producing points.

Solvay 42½-45 percent liquid calcium chloride in tank cars, $10 per net ton, basis 40 percent., f.o.b. Solvay, N. Y., freight equalized up to 12 cents per 100 pounds with recognized competitive producing points.

Prices for less than carload lots of flake calcium chloride at recognized stockpoints will be based on carload price plus equalized carload freight to stockpoint city plus the same quantity differentials that have been effective previously.

Enjay Promotes Three To Sales Managers

The Enjay Company, marketer of petroleum chemicals, New York, has appointed W. V. Rathbone manager of alcohol and chemical sales. Other personnel changes by the company, an affiliate of the Standard Oil Company of New Jersey, made A. Bruce Boehm manager of paramins sales, and Irving E. Lightbown manager of rubber sales.

Mr. Rathbone, who was formerly assistant manager of alcohol and chemical sales, has been with the Standard Oil Company or its affiliates since 1928. He has served in various research and sales capacities at Baton Rouge, La., Parkersburg, N. J., and New York.

Mr. Boehm, who has been with the company since 1921, was formerly assistant manager of the department he now heads. He has worked on the development and application of lubricants as well as in the sales of lubricants and lubricant additives.

Mr. Lightbown joined Standard Oil's Esso laboratories in 1937, and in 1942 was named assistant manager of rubber sales. Before joining the company he was employed by B. F. Goodrich Company, Akron, Ohio, and the General Cable Company, Buffalo, N. Y.

Surplus Materials and Equipment Offered

Chemicals and related materials currently offered as surplus on closed bids or at fixed prices by the War Assets Administration include the following items:—

Calcium hypochlorite, 6,999,900 tubes; San Francisco, SFO-18-314, September 8.

Insect repellent, 788,364 containers; San Francisco, SFO-18-314, September 8.

Sodium hypochlorite solution, 967 gallons; San Francisco, SFO-18-314, September 8.

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Anti-Malarial Drugs Research Data Offered

The scientific achievements of the nation's wartime research program to discover new and better anti-malarial drugs are described and tabulated in a comprehensive three-volume survey on anti-malarials now available from the Office of Technical Services of the Department of Commerce.

The volumes are edited by Frederick Y. Wiselogle, professor of chemistry at John Hopkins University, and among the contributors are Robert W. Berliner, Kenneth C. Blanchard, Thomas C. Butler, W. Mansfield Clark, E. K. Marshall, jr., Leon H Schmidt, James A Shannon, and other prominent chemists, pharmacologists and clinicians, who actively engaged in the research program.

Volume 1 of the survey, which discusses the program as a whole (PB-77777), is available at $36 in photostat form, or $11 in microfilm form; Volume II, Part I (PB-77778) sells for $66 in photostat and $20 for microfilm; Volume II, Part I (PB-77779) is available at $63 in photostatic form and $19 in microfilm. Orders should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the United States.

Westvaco Names Riley Divisional Sales Manager

Westvaco Chlorine Products Corporation, New York, has appointed Walter J. Riley divisional sales manager in charge of the technical sales division. With the organization since 1936, Mr. Riley was most recently assistant to the technical director at the New York office.

Japanese Fish Liver Oil Offered For Sale By RFC

The Reconstruction Finance Corporation last week asked for bids for the sale of twenty drums of Japanese fish liver oil in seven lots ranging from one to five drums a lot. The oil is now located in the warehouse of Beard's Erie Basin, Inc., in Brooklyn and will be sold ex warehouse, duty paid. Bids will be received until noon EDST Sept. 6.

Lund U.S. Adviser At FAO Conference

OPD Washington Bureau

Charles E. Lund, chief of foodstuffs division of the Office on International Trade, left last week for Geneva, Switzerland, where he will act as adviser representing the Department of Commerce at the third session of the Food and Agriculture Organization of the United Nations.

The FAO conference will start today and extend through September 10, after which time Mr. Lund will study at first hand the problems of the international food trade in Denmark, Netherlands, France and England. He will consult with various groups regarding the prospects for expansion of United States imports of food specialties and other agricultural products.

Columbia Chemical Appoints Hutchison Head of Plants

Robert L. Hutchison has been appointed general superintendent for the Pittsburgh Plate Glass Company's Columbia Chemical division and for the Southern Alkali Corporation, Pittsburgh subsidiary. Mr. Hutchison joined the company in 1925 and six years later was placed in charge of all maintenance and construction. He was appointed superintendent of Columbia's alkali producing plant at Barberton, Ohio, in 1940, a post he held until his present assignment.

General Chemical Purchases Nitric Acid Equipment

OPD Washington Bureau

General Chemical Company, New York, has purchased from War Assets Administration nitric acid producing and handling apparatus and related production machinery and equipment, located at the Point Pleasant, W. Va., and Sandusky, Ohio, ordnance plants for $155,000.

WAA said the purchaser will remove the items from their present locations and reerect them in its plant in Newell, Pa. The equipment was used during the war for the manufacture of nitric acid for TNT production.

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Naphthalene, Lead Arsenate Get Consolidated Licensing

OPD Washington Bureau

The Office of International Trade last week extended the consolidated licensing procedure to naphthalene, lead arsenate, naphthalene balls and flakes, tri- or tyro-sodium phosphate. The agency said that applications for consolidated licenses for the third quarter covering the exportation of these chemicals, except lead arsenate, should be submitted as soon as possible and in no event later than September 1. Lead arsenate is not included for the third quarter because licenses covering the quantity available for export during this period have already been issued.

Applications for subsequent quarters covering the above-named commodities should be submitted not later than the fifteenth day of the month preceding the beginning of the new quarter.

Oils and Fertilizers Among Products for Austrian Relief

Relief shipments to Austria from June through the end of September from the United States foreign relief program are scheduled to aggregate $43,000,000, it was announced last week by the Department of State in its first breakdown of operations under the program. The program of shipments does not include fertilizers. The department said that because of the shortage of fertilizer in the United States, Austria's essential fertilizer requirements are expected to be procured from Belgium and Czechoslovakia.

Among the items made available to Austria under the program, either from United States or other sources, were the following:—Fats and oils, 9,000 long tons; fatty acids for soap, 600 long tons, and fertilizer, 80,000 long tons. Also included for this period were $250,000 in pesticides and $1,000,000 in medical supplies, consisting mostly of basic drugs.

Mooney Joins Lentheric

Charles A. Mooney, until recently vice-president and general manager of Elizabeth Arden Sales Corporation, has been named a director and vice-president of Lentheric, Inc., perfumes and cosmetics, New York. Before joining Arden, Mr. Mooney spent several years in the sales department of E. R. Squibb & Sons, New York.

Market Reports

Linseed oil shipments from the Argentine to the United Kingdom last week totaled 2,880 tons.

Linseed Oil—Shipments to the United Kingdom last week totaled 2,880 tons.

Soybean oil—trading for export was active last week and sales of 150 tankcars of crude oil were reported ranging from 14½c. per lb. for nearby to 13¾c. per lb., f.o.b. mills, for October shipment.

Bids Wanted

Ammonia, anhydrous, as required from October 1, 1947 through June 30, 1948, Army Engineers Corps, attention ENGPA-21 (Washington 25, D. C.) invitation 23, August 29.

Butane, 3,000 gallons,, U. S. Disciplinary Barracks, Camp Cooke, Calif., invitation 2, August 29.

Carbon dioxide gas, as required from October 1, 1947 through June 30, 1948, Army Engineers Corps, attention ENGPA-21 (Washington 25, D. C.) invitation 30, August 29.

Caustic soda, 960,000 13-ounce cans, and 25,685 pounds, Quartermaster Purchasing Office (New York 3, N. Y.) invitation 29, September 9.

Cleansing compound, 3,000 gallons and 1,165 pounds, Army Transport Corps (Marietta, Pa.) invitation 83, September 10.

Copper sulphate, photographic 2,400 pounds, Army Map Service (Washington 16, D. C.) invitation 6, August 28.

DDT, 20%, airplane spray, 68,658 gallons, and water dispersible powder, 115,860 pounds, Quartermaster Purchasing Office (New York 3, N. Y.) invitation 30, September 8.

Dishwashing compound, 16,200 pounds, as required from October 1 through December 31, Department of Justice (Washington, D. C.) invitation 3906, September 2.

Dowicide F, 128,000 pounds, Quartermaster Purchasing Office (New York 3, N. Y.) invitation 51, August 27.

Drugs & Chemicals, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 65, September 2; Panama Canal Purchasing Officer (Washington 25, D. C.) circular 3867, August 27; Veterans Administration (Washington 25, D. C.) invitation A-33, August 28.

Electrolyte, 516 gallons, Army Transport Corps (Marietta, Pa.) invitation 83, September 10.

Explosives pre-mix, 9,600 pounds, Army Ordnance Department (Dover, N. J.) invitation 18, August 27.

Gasoline, as required from November 1, 1947, through April 30, 1948, Treasury Department (Washington, D. C.) invitation 9G-9611-R, September 3.

Glue, casein-type, 280 pounds, Treasury Department (Washington 25, D. C.) invitation 5H-55650, August 28.

Hydrated lime, as required from September 1, 1947, through June 30, 1948, U. S. Disciplinary Barracks, Camp Cooke, Calif., invitation 3, August 29.

Hydrogen, as required from October 1, 1947 through June 30, 1948, Army Engineers Corps, attention ENGPA-21 (Washington 25, D. C.) invitation 31, August 26.

Lacquer, 1,314 gallons, Army Air Corps (Day-

—*Continued on page* 38

Decontrol Act Advisory Committee Established

OPD Washington Bureau

Formation of an advisory committee of government officials to assist in the administration of the second decontrol act of 1947 was announced last week by Secretary of Commerce W. Averell Harriman. Headed by David Bruce, Assistant Secretary of Commerce, the committee will be made up of representatives of the Department of State, National Military Establishment, Department of Agriculture, Department of the Interior, Office of Defense Transportation and the Department of Commerce.

Under the decontrol act passed last July, Secretary Harriman was given exclusive control of government operations under the act. Heretofore the authority was divided among several departments, including the Department of State and the Department of Agriculture.

Mr. Harriman also contemplates establishing a second committee to be known as the review committee, which will serve as a working group and make recommendations to the advisory committee. The review committee will replace the former interagency export policy committee. Its membership will include representatives from the agencies making up the advisory committee, plus a member from the National Housing Agency and additional representation from the Department of Commerce staff.

General Aniline Elects Dr. Wagner Vice-President

General Aniline & Film Corporation, New York, has elected Dr. Cary R. Wagner vice-president in charge of research and development. He will direct the coordination of the company's research and development activities in dyestuffs, photography, detergents, resins and "Ozalid" sensitized materials, as well as fundamental research in related fields.

The company maintains a central research laboratory at Easton, Pa., and plant laboratories at dye manufacturing factories at Rensselaer, N. Y., and Grasselli, N. J.; at the Ansco Division, Binghamton, N. Y., and at the Ozalid plant, Johnson City, N. Y.

Dr. Wagner was for many years research director of the Pure Oil Company and has served as consultant for major industrial companies in the petroleum and chemical fields. He has been a member of the board of directors of General Aniline since April, and was also elected a member of the executive committee.

Dean Appointed General Manager of Wm. Peterman

Donald Dean, for twenty years associated with the Rubberset Company, subsidiary of Bristol-Myers Company, New York, has been appointed general manager of Wm. Peterman, Inc., insecticides manufacturer, Newark, N. J., also a Bristol-Myers subsidiary. Mr. Dean is a member of the committee on trade practices for moth-proofing products of the National Association of Insecticide and Disinfectant Manufacturers.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with the OPD office:—

Carbolic acid, Venice, Italy (AF-6).
Caustic soda, Mexico, D.F., (AF-15).
Chemicals, Prato, Italy (AF-1); Milano, Italy (AF-2); Paris, France (AF-11); Asnieres, France (AF-13).
Chromates, Mexico, D.F. (AF-15).
Coconut oil, Florence, Italy (AF-14).
Edible oil, Shizuoka, Japan (AF-7).
Fats and oils, Mexico, D.F. (AF-15).
Leather dyes, Bogota, Colombia (AF-10).
Lubricating oils, Vignale Monferrato, Italy (AF-3).
Nicotine sulphate plant, Baghdad, Iraq (AF-8).
Paint, Pretoria, Union of South Africa (AF-17).
Paint materials, Milano, Italy (AF-2); Brussels, Belgium (AF-12).
Palm oil, Florence, Italy (AF-14).
Pharmaceutical products, Trieste, Italy (AF-4); Shizuoka, Japan (AF-7); Sao Paulo, Brazil (AF-9); Bogota, Colombia (AF-10); Paris, France (AF-11); Asnieres, France (AF-13).
Plastic sheeting, Bogota, Colombia (AF-10).
Rosin, Florence, Italy (AF-14).
Rubber chemials, Brussels, Belgium (AF-12).
Soda ash, Mexico, D.F. (AF-15).
Sodium bicarbonate, Mexico, D.F. (AF-15).
Spices, Catania, Italy (AF-5).
Tanning materials, Brussels, Belgium (AF-12).
Textile chemicals, Brussels, Belgium (AF-12).
Wax, ceresine and paraffine, Port Elizabeth, Union of South Africa (AF-16).
White mineral oil, Port Elizabeth, Union of South Africa (AF-16).

Opium May Be Removed From Stockpiling List

OPD Washington Bureau

The Army and Navy Munitions Board is considering the advisability of discontinuing the stockpiling of opium, now that the production and distribution of the synthetic substitute amidone has been authorized by the government.

It is reported that the board has been advised that tests have shown that amidone is equal to if not better than opium for all cases in which opium is used, except for diarrhea. Another argument advanced for dropping opium from the stockpile list is that there should be no problem that would arise in obtaining adequate supplies of the synthetic substitute since the materials from which it is made are readily available, while the country would have to depend largely on imports for adequate supplies of opium.

Petroleum Firm Organized For Foreign Operations

OPD Washington Bureau

A new oil corporation with a paid-in capital of $100,000,000 was organized last week under the laws of Delaware to engage in foreign petroleum operations, particularly in the Middle East. Announcement of the new enterprise was made by Ralph K. Davies, wartime deputy petroleum administrator and former vice-president of Standard Oil Company of California. Mr. Davies was made president of the concern which goes under the name of American Independent Oil Company. The firm is made up entirely of independents in the petroleum industry. Incorporators, in addition to Mr. Davies are:—

J. S. Abercrombie, Houston, Tex.; Allied Oil Company, Cleveland; Ashland Oil & Refining Company, Ashland, Ky.; Globe Oil & Refining Company, Wichita, Kan.; Hancock Oil Company of California, Long Beach, Calif.; Honolulu Oil Corporation, San Francisco; Los Nietos Company, Los Angeles; Phillips Petroleum Company, Bart-

—Continued on page 71

Shell Chemical Names Read Assistant Sales Head in West

Barclay K. Read has been appointed assistant sales manager of the western division of Shell Chemical Corporation, with headquarters in San Francisco. Formerly with R. W. Greeff & Co., New York, Mr. Read joined Shell Chemical in 1946 as district manager in New York. Shortly thereafter, he was appointed assistant sales head in the eastern division.

FTC Issues Statement of Policy On Trade Practice Conferences

OPD Washington Bureau

A new statement of policy with respect to the settlement of cases by trade practice conference and stipulation agreements was adopted last week by the Federal Trade Commission. The new policy is intended as an answer to industry demands for more cooperation and less prosecution from the commission, but whether it will meet with the wishes of industry remains to be seen.

A close examination of the statement by observers failed to reveal any wide departure from the policies heretofore in force, although by force of circumstances brought on by pressure from higher official sources it might be said that the commission has placed itself in a position to take a more liberal view of industry demands for settlement of disputes through trade practice conference procedure.

The new policy was adopted by a unanimous vote of the commission after a long internal wrangle among the members, with Commissioner Lowell B. Mason leading the forces for a wide-open rule for settlements by stipulation. The policy adopted, however, is understood to be a substitute offered as a compromise by Commissioner William A. Ayres.

In a statement explaining its action, the commission said that it has long had a public statement of policy governing the settlement of informal cases by stipulation agreements, but there has been no comparable generally published statement of policy with respect to trade practice conference agreements.

Under its present program, the commission may institute trade practice conferences on its own initiative. When it appears that questionable practices are so prevalent in an industry that they may be more effectively and expeditiously reached by trade practice conference than by individual proceedings, the commission may utilize that procedure in dealing with the overall problem. In those situations it is necessary, after the promulgation of trade practice conference rules, to determine what further action should be taken in pending informal cases relating to the same parties and practices, as well as to determine the extent to which pending formal matters may have been affected.

The commission's statement of policy said, in part:—

"It is the policy of the commission to utilize the trade practice conference and stipulation procedures to encourage widespread observance of the law by enlisting the cooperation of members of industries and informing more fully of the requirements of the law, so that wherever consistently possible the commission may avoid the need for adversary proceedings against persons who, through misunderstanding or carelessness, may violate the law unintentionally.

"But it is not the policy of the commission to grant the privilege of settling cases through trade practice conference or stipulation agreements to persons who have violated the law where such violations involve intent to defraud or mislead; false advertisement of foods, drugs, devices or cosmetics which are inherently dangerous or where injury is probable; suppression or restraint of competition through conspiracy or monopolistic practices; or violation of the Clayton Act; nor will the privilege be granted where the commission is of the opinion that such procedure will not be effective in preventing. continued use of the unlawful methods, acts or practices.

"The commission reserves the right in all cases to withhold the privilege of settlement by trade practice conference or stipulation agreements. When in connection with an industry-wide investigation informal matters of whatever nature are docketed against individual members of that industry, from which the promulgation of trade practice conference rules ensues covering the questioned practices, and which are subscribed to and accepted by the affected members of the industry, the commission will give careful consideration to whether or not the public interest requires further investigation of such informal matters."

Koppers Plans Sulphuric Acid Output at Kearny

The chemical division of Koppers Company, Pittsburgh, will begin sulphuric acid output September 1 in new facilities adjacent to the Seaboard coke plant of the company at Kearny, N. J. Ronald Barraclough, manager of the new plant which has been under construction for eleven months, said that, in addition to sulphuric acid, the production of hydrogen cyanide, for which the plant is equipped, will begin in October, and the production of other chemicals will start next year.

When full operation of the new facilities is attained, it will be capable of producing approximately 21,000 tons of sulphuric acid and 1,200,000 pounds of hydrogen cyanide a year. Mr. Barraclough stated that it will be the first plant in the United States to recover hydrogen cyanide from a coke oven plant in pure liquid form, although this chemical occasionally is recovered from some coke oven operations in the form of salts.

Sulphuric acid will be produced from two raw materials—hydrogen sulphide recovered from coke oven gas produced by the adjacent Seaboard coke plant and from crude brimstone. A considerable portion of the acid produced will be used by the Seaboard plant for the making of sulphate of ammonia; some will be used by the nearby plant of the Koppers tar products division, and the rest will be sold commercially.

Citrus Molasses Plant Sold to Kuder Company

War Assets Corporation has sold a surplus citrus molasses plant in Bartow, Fla., to the Kuder Citrus Products Company, which operated it during the war, for $130,000. It is a special-purpose plant depending upon a Kuder Company for the juices required in making molasses.

The plant consists of a one-acre land site, a single-story processing building and an adjacent boiler house. Machinery and equipment include two sets of evaporators, eight steel storage tanks for syrup, two steam boilers, softener equipment, motors and controls.

Washington Talks It Over

The OPD Observer

There still are not enough available jobs to meet the needs of all the employable persons in the country, in spite of the fact that we have reached the economists' goal of 60,000,000 jobs. The Department of Labor says there are still 2,600,000 employable persons out of work. It placed the total labor force at 64,000,000, which includes 1,400,000 in the armed forces.

The probabilities are, according to experts, that the 2,600,000 unemployed will rise sharply this fall, when some 4,000,000 seasonal agricultural workers will no longer be needed. In addition there is the threat of further layoffs if exports continue to decline. Some 3,500,000 workers engaged in production for export are in danger of losing their jobs from this cause.

The general labor and production pattern is still in an unsettled state in spite of the fact that the value of goods produced is at an all-time peak. A considerable shifting of activities is taking place, which is creating substantial increases in employment in some areas and declines in others.

As a result, there are shortages of labor in particular places and situations because of differences in characteristics of available labor supply, employer hiring specifications and other factors, such as housing which restricts the movement of workers. But these shortages, experts say, are not likely to impede production seriously.

Cyclohexanone Helps DDT

Entomologists for the Department of Agriculture have reported that use of cyclohexanone as the solvent for DDT in aerosol bombs greatly increased the killing power of the insecticide, though in a rather curious manner.

Experiments have shown, they say, that cyclohexanone has an irritating effect on insects and makes them move around more actively than usual. This additional activity brings them into more thorough contact with the DDT in the aerosol mist, consequently increasing that compound's ability to kill them.

Rationing Still in Vogue

Whether it is generally realized or not, the country is still far from being free of rationing even though Congress acted to end this form of controlled distribution either by repeal of the laws or denial of funds to administer them. Instead of the rationing's being done by government, it is being done by industry itself.

Note was made of this fact recently by Senator Joseph O'Mahoney of Wyoming, who believes it to be a problem that Congress is going to have to deal with next January. He points out that the automobile industry by private understanding is rationing the output of automobiles; the steel industry is rationing the output of steel; and now the petroleum industry is undertaking to ration petroleum products. In other words, the consumers of the country are now subject to a private rationing system.

—Continued on page 30

Flag Sulphur & Chemical Acquires Grinding Plant

The Flag Sulphur & Chemical Company, Tampa, Fla., has acquired the physical assets of the sulphur grinding and insecticide blending plant at Tampa originally owned by Schnarrs, Inc. W. Mercer Rowe, jr., formerly assistant sales manager of the agricultural chemical division of the Pennsylvania Salt Manufacturing Company, Philadelphia, will be vice-president of Flag Sulphur & Chemical and will be in charge of operations at the Tampa plant.

N.Y. Oil Trades Ass'n To Hold Outing Aug. 26

The thirty-first annual summer outing of the Oil Trades Association of New York will be held tomorrow at the Pelham Manor Country Club, Pelham Manor, N. Y. Golf events will include Class A, Class B, Class C and kicker's handicap. Luncheon will be served from noon until 2 p.m., and dinner at 7:30 p.m.

PERFUME...old Saturday night custom

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Rossville Algrain* Alcohol U. S. P.
Rossville Gold Shield* Alcohol U. S. P.
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Ceramic—Plasticizer in compositions, containing cellulose acetate, nitrocellulose, or resins, used as coatings for protecting and decorating ceramic articles

Chemical—Plasticizer for cellulose acetate nitrocellulose, synthetic resins

Electrical—Plasticizer in insulating compositions, containing cellulose acetate, nitrocellulose, or resins, used for covering wire and in making electrical machinery and equipment

Glass—Plasticizer in compositions, containing cellulose acetate, nitrocellulose, or resins, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Leather—Plasticizer in compositions, containing cellulose acetate, nitrocellulose, or resins, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods

Metal-Fabricating—Plasticizer in compositions, containing cellulose acetate, nitrocellulose, or resins, used for protecting and decorating metallic articles

Miscellaneous—Plasticizer in compositions, containing cellulose acetate, nitrocellulose, or resins, used for protecting and decorating articles of various kinds

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate, nitrocellulose, or resins

Paper—Plasticizer in compositions, containing cellulose acetate, nitrocellulose, or resins, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp

Photographic—Plasticizer in making films from cellulose acetate or nitrocellulose

Plastics—Plasticizer in making laminated fiber and molded articles, plastics containing nitrocellulose or cellulose acetate or resins

Resins—Plasticizer for resins
Plasticizer in resin-nitrocellulose solutions and other compositions

Rubber—Plasticizer in compositions, containing cellulose acetate, nitrocellulose, or resins, used as coatings for decorating and protecting rubber goods

Stone—Plasticizer in compositions, containing cellulose acetate, nitrocellulose, or resins, used as coatings for decorating and protecting artificial and natural stone

Textile—Plasticizer in compositions, containing cellulose acetate, nitrocellulose, or resins, used in the manufacture of coated fabrics

Wood—Plasticizer in compositions, containing cellulose acitate, nitrocellulose, or resins, used as protective and decorative coatings on woodwork

Diphenyl-N-ethyltriazene

Fuel—Reducer (U.S. 2136455 and 2136456) of ignition delay period in diesel engine fuels

Gallium Trichloride
(Gallic Chloride)

Chemical—Catalyst in synthesis of ketones by the interaction of carbonyl chlorides and hydrocarbons (claimed, according to German sources, to be more effective than aluminum chloride)
Catalyst in Friedel and Crafts syntheses (according to German sources there is no initial period of autoacceleration)
Suggested for use as catalyst in reactions where aluminum chloride may give poor yields or slow reaction rates

N-N-Heptylthiomethylpyridinium Perchlorate

Photographic—Sensitizer (Bri. 557178) in photographic emulsions

1-Hydroxycyclohexyl-Hydrogen Peroxide

Plastics—Starting point (U.S. 2298405) in making ether-insoluble polymers

Kerosene-Cresolsulphonic Acids Sodium Salt

Insecticide and Fungicide—Claimed (U.S. 2233407 and 2233408) as fungicide

RFC Renews Attempt To Sell Ethyl Alcohol

OPD Washington Bureau

The Reconstruction Finance Corporation plans to make another attempt to interest industry in the purchase of some of its ethyl alcohol at "reasonable" prices, which is now being obtained from Cuba in considerable quantity under the government's purchase contract.

Invitations have been sent out to the trade to bid on the purchase of 1,250,000 gallons of the alcohol, which is now being loaded on the vessel Sugar Land at Havana and due to arrive in this country about September 20. Bidders have been asked to submit their offers to the RFC by August 27.

Efforts to dispose of earlier shipments in cargo lots to the trade several months ago were abandoned when prices offered failed to yield the agency an amount sufficient to cover its cost.

Synthetic Vitamin A Produced in Holland

The Organon Pharmaceutical Laboratories, Oss, Holland, has announced the successful synthesis of vitamin A, according to "Aneta" news agency. The project was reported to have been completed by Dr. J. F. Arends and Dr. D. A. Van Dorp after four years of research.

It was explained that the new synthetic vitamin was built completely by chemical methods, which were said to offer great possibilities, since previously it had been derived only for medical purposes from rare fishliver oils.

The agency report said that a variety of tropical grass, abundant in Indonesia and Australia, serves as the raw material for the synthetic vitamin, but added that the company had warned against premature expectation of large supplies of it in the near future.

Case School Head Named Engineers UN Representative

OPD Washington Bureau

Dr. William E. Wickenden, retiring president of Case School of Applied Science, Cleveland, has been named by the Engineers Joint Council as its representative on the United States Commission for UNESCO. He is a past president of the American Institute of Electrical Engineers, and former chairman of the Engineers Joint Council.

The Council is composed of representatives of five national engineering societies: —American Institute of Chemical Engineers, American Society of Civil Engineers, American Institute of Mining and Metalurgical Engineers, American Society of Mechanical Engineers, and American Institute of Electrical Engineers.

DCAT Annual Meeting Reservations Unavailable

Reservations for the annual meeting of the Drug, Chemical and Allied Trades Section of the New York Board of Trade have reached the limit of available accommodations and waiting list has been set up in the event of possible cancellations. The meeting is to be held on September 25-26 at the Shawnee Inn, Shawnee-on-Delaware, Pa.

Urey Named to National Commission for UNESCO

OPD Washington Bureau

Harold C. Urey, atomic scientist of Chicago, Ill., has been appointed a member of the national commission for UNESCO as a representative of the American Chemical Society, it is announced by Milton S. Eisenhower, chairman. The commission will meet at the Congress hotel, Chicago, September 11 to 13, to review the proposed international UNESCO program for 1948.

Benzoic Acid Cell Made By Bureau of Standards

OPD Washington Bureau

The National Bureau of Standards has developed a new thermometric standard utilizing the freezing point of benzoic acid as a fixed temperature, and has made it available to industrial and other laboratories. The device, known as a benzoic acid cell, affords a means of calibrating platinum resistance thermometers and thermocouples at a temperature near 100 degrees C. more rapidly and conveniently and, under certain conditions, more accurately than is possible with the boiling point of water.

Certified cells may be obtained from the National Bureau of Standards for a fee of $100 each. An uncalibrated companion cell containing acid of lower purity is offered for $15, that is said to be useful for practice in manipulation and for pre-warming of the Dewar flask. Cells are available with thermometer wells in three diameters, eight ten and twelve millimeters.

More detailed information about these cells can be obtained from the bureau. Observations on the pertinent properties of benzoic acid are given in "The Freezing Temperature of Benzoic Acid as a Fixed Point in Thermometry," by Frank M. Schwab and Edward Wichers. Reprints of this paper are available from the Superintendent of Documents, Washington 25, D. C., at a cost of ten cents.

U.S. Commerce Chamber Names Committee Members

OPD Washington Bureau

The committee on manufacture of the Chamber of Commerce of the United States for the coming year will be formed of a broadly representative group of industrialists, who will serve as an advisory body to the chamber's department of manufacture.

Plans for the committee's operations for the year call for it to give attention to regularization of employment, personnel procedures, government procurement of manufactured articles, federal regulation of hours and wages, activities in standardization and simplification, and the work of government agencies that is of particular interest to manufacturers.

Among the members of the committee, as now composed, are:—Robert M. Hissal, vice-president, Columbian Carbon Company, New York; Herbert F. Johnson, president, S. C. Johnson & Son, Racine, Wis.; Edmond E. Lincoln, E. I. du Pont de Nemours & Co., Wilmington, and R. H. Shainwald, vice-president, Paraffine Companies, San Francisco.

Soybean Ass'n to Study Foreign Trade Policies

A debate over United States foreign trade policies as they affect soybean growers and the soybean industry, with both free trade and protectionist points of view being presented, will highlight the twenty-seventh annual convention of the American Soybean Association, to be held at the Deshler-Wallick hotel, Columbus, Ohio, on September 4 to 6. Theme of the convention will be "What's Ahead for Soybeans?"

Principals in the debate will be Wheeler McMillen, editor-in-chief of the "Farm Journal," Philadelphia, who will discuss "Let's Protect American Markets for American Farms," and Dr. Lawrence Witt, associate professor of agricultural economics at Michigan State College, whose topic will be "Let's Have Free Trade in Vegetable Oils."

Convention keynoter will be O. K. Quivey, who as manager of agricultural development for the Baltimore & Ohio Railroad, Baltimore, Md., has been actively interested in the development of the soybean crop for a quarter-century. Mr. Quivey set up the B&O soybean special trains which attracted much attention in soybean-growing states for several years just before the war. He has also backed campaigns for planting of adapted varieties of soybeans in B & O states in recent years.

Thursday, September 4, will be devoted to a field trip in charge of Dr. Lewis Saboe, associate agronomist for the Department of Agriculture at Columbus, to Ohio State University farms. Plans have been made to visit the Madison County farm, the Sinclair farm and Ohio State University experimental plots, where soybean experimental projects are under way.

The following speakers have confirmed their appearance on the program, with others still to be arranged:—Dr. Ralph H. Manley, director of scientific research, General Mills, Inc., Minneapolis, Minn., "What's Ahead for Soybean Oil in Industry?"; V. H. Peterson, public relations department, E. I. du Pont de Nemours & Co., Wilmington, Del., "Research and Chemurgy"; Dr. G. E. Hilbert, director Northern Regional Research Laboratory, Peoria, Ill., "Soybean Research at the Northern Regional Research Lab."; Dr. B. F. Daubert, research professor, department of chemistry, University of Pittsburgh, Pittsburgh, Pa., "What's Ahead for Soybean Oil in Foods?"; L. L. Rummell, newly appointed dean of agriculture, Ohio State University, Columbus, "The Ohio State Experiment Station and Agricultural Research."; Dr. C. J. Willard, professor of agronomy, Ohio State University, "Weed Control in Soybeans."

Also, Fred J. Stark, president Sicca Soya Paint Company, Peoria, Ill., "What's Ahead for Soybean Oil in Paints?"; E. A. Meyer, administrator research and marketing act, Department of Agriculture, "Soybean Research Under the New Research and Marketing Act."; Fred J. Rossiter, office of foreign agricultural relations, Department of Agriculture, "What About Export Markets for Soybeans?"; F. H. Lehberg, oils and fats administrator, Dominion Government, Ottawa, Ontario, Canada, and Dr. J. L. Allison, senior pathologist, division of forage crops and diseases, Department of Agriculture, Beltsville, Md., "The Present Status of Soybean Diseases."

Monsanto Advances Three In Research Department

Monsanto Chemical Company has made three appointments in the research department of its central research laboratory at St. Louis, Mo. Dr. Robert A. Staniforth has been named chief of the chemistry section, Dr. Raymond Davis, jr., has been promoted to group leader in physics and Dr. Wilson H. Power has been named group leader for fundamental research.

Dr. Staniforth went with Monsanto from the General Aniline & Film Corporation in 1944 and in 1946 was named group leader of fundamental research. Dr. Davis joined the Monsanto organization in 1946 after four years in the chemical warfare service of the Army. Dr. Power, who also joined the company last year, had previously been with the Armstrong Cork Company and the Naval Research Laboratory.

Glidden to Start Soya Sterols Recovery at Chicago

The Glidden Company, Cleveland, has completed a new plant in Chicago for the commercial recovery of soya sterols, part of which will be used in the production of fine chemicals and the balance offered for sale. Believed by Glidden to be the first commercial operation in the world devoted to the recovery of soya sterols by chemical methods, the new plant in all stages of production will employ new processes developed by the Glidden research organization.

Association Meeting Dates

American Association of Textile Chemists and Colorists, Congress hotel, Chicago, October 23-25.

American Chemical Society, Pennsylvania hotel, New York, September 15-19.

American Institute of Chemical Engineers, Detroit, November 10-12.

American Oil Chemist's Society, Edgewater Beach hotel, Chicago, October 20-22.

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, December 15-17.

American Soybean Association, Deshler-Wallick hotel, Columbus, Ohio, September 4-6.

Boston Conference on Distribution, Statler hotel, Boston, October 20-21.

Chemical Industries Exposition, Grand Central Palace, New York, December 1-6.

Drug, Chemical and Allied Trades Section, New York Board of Trade, Shawnee Inn, Shawnee-on-Delaware, Pa., September 25-26.

Electrochemical Society Conference, Copley-Plaza hotel, Boston 15-18.

Federal Wholesale Druggist Association, French Lick Springs hotel, French Lick, Ind., October 8-10.

National Association of Insecticide & Disinfectant Manufacturers, Lord Baltimore hotel, Baltimore, December 1-3.

National Association of Retail Druggists, Sherman and Morrison hotels, Chicago, October 12-16.

National Association of Wholesalers, Pennsylvania hotel, N. Y., October 6-7.

National Fertilizer Association, Atlanta-Biltmore hotel, Atlanta, Ga., November 10-12.

National Foreign Trade Council, St. Louis, October 20-22.

National Institute of Governmental Purchasing; Pennsylvania hotel, New York, September 8-11.

National Paint Salesmen's Association, Madison hotel, Atlantic City, October 16-18.

National Pest Control Association, Bellevue-Stratford hotel, Philadelphia, Pa., October 27-29.

National Petroleum Association, Traymore hotel, Atlantic City, September 17-19.

National Sanitary Supply Association, Fort Shelby hotel, Detroit, Mich., September 11-12.

National Wholesale Druggists Association, Ritz Carlton hotel, Atlantic City, N. J., October 18-23.

New York Board of Trade, Waldorf-Astoria hotel, October 23.

Pacific Chemical Exposition, San Francisco, October 21-25.

Packaging Machinery Manufacturers Institute, Sheridan hotel, Springfield, Mass., October 6-7.

Porcelain Enamel Institute, Ohio State University, September 10-12.

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Current Market Quotations

Chemicals and Related Materials

August 22, 1947

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - .12
5 and 10 gals., works.....lb. .14 - .15
tanks, works.....lb. .08 - .09

Acetaldol (see Aldol).

Acetamide, CP, fib. dms.....lb. .65 - .75
tech., fib. dms.....lb. .38 - .43

Acetanilide, tech., bbls., c.l.....lb. .19 - —
l.c.l.....lb. .20 - .23
kegs.....lb. .25 - —
USP, bbls., 2,400-lb. lots.....lb. .40 - .41
smaller lots.....lb. .41 - .42

Acetic anhydride, dms., c.l., frt. all. E. lb. .13 - —
l.c.l., frt. alld. E.....lb. .14½ - —
tanks, frt. alld. E.....lb. .11 - —

Acetoacetanilide, bbls., dms.....lb. .09½ - —

Acetone, CP, dms., c.l., dlvd.....lb. .08½ - .10½
l.c.l., dlvd.....lb. .09 - .11½
tanks, dlvd.....lb. .07 - .09
Methyl (see M).

Acetonitrile, dms., c.l., works.....lb. .47 - —
l.c.l., works.....lb. .50 - —
smaller containers, works.....lb. .55 - .60

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works.....lb. .60 - —

Acid, abietic, dms., c.l., works.....lb. .07½ - —

Acetic, com'l or redist., 28%, bbls... 100 lbs. 3.78 - 4.08
50%, bbls.....100 lbs. 7.56 - 7.81
70%, bbls.....100 lbs. 9.45 - 9.70
80%, bbls.....100 lbs. 10.80 -11.05
glacial, synthetic, C.P., dms., works 100 lbs. 13.20 -13.75
tanks, works.....100 lbs. 7.02 - 7.92
tech., dms., works.....100 lbs. 9.90 -10.20
tanks, works.....100 lbs. 7.02 - 8.12
USP, dms., works.....100 lbs. 11.00 -11.65

Acetic acid price ranges above are c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).

Acetsalicylic, USP, special, bbls., makers, primary distrib., point of shin't, 100-lb. lots..lb. .50 - —
smaller lots.....lb. .51 - .64
standard, fine, cryst., gran. (30-40 mesh), powd. (80 mesh), bbls., same basis..lb. .45 - .59

Freight equalized, shinment identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, NF, bbls., frt. adjusted, lb. 1.50 - 1.67

Anthranilic, resub., bbls.....lb. 2.00 - 2.30
tech., bbls.....lb. .90 - .98

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs.....lb. .20 - .23

Ascorbic, USP, dms., 500-kilo lots.....kilo. 24.50 - —
25-50 kilo lots.....kilo. 25.00 - —
10-kilo lots.....kilo. 25.35 - —
5-kilo lots.....kilo. 25.70 - —
bots. kilo lots.....kilo. 26.41 - —
500 grams.....kilo. 27.47 - —

Battery, cbys., c.l., E. works. 100 lbs. 1.60 - 1.75
l.c.l., E. works.....100 lbs. 2.05 - 2.75

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up.....lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .58
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works....lb. 1.05 - —

Boric, tech., 99.5%, cryst., powd., paper bgs., c.l., frt. alld..ton. 104.00 - —
ton lots, ex whse. N. Y. or Chi..ton. 122.50 - —
less ton lots, same basis..ton. 127.50 - —
bbls., c.l., frt. alld.....ton. 124.00 - —
ton lots, ex whse. N. Y. or Chi..ton. 142.50 - —
less car lots, same basis..ton. 147.50 - —
gran., bulk.....ton. 85.70 - —
paper bgs., c.l., frt. alld..ton. 99.00 - —
ton lots, ex whse., N. Y. or Chi..ton. 117.50 - —
less ton lots, same basis..ton. 122.50 - —
bbls., c.l., frt. alld.....ton. 119.00 - —
ton lots, ex whse., N. Y. or Chi..ton. 137.50 - —
less ton lots, same basis..ton. 142.50 - —
USP $25 per ton higher.

Broener's, bbls.....lb. 1.22 - —
Butyric, 99%, dms., c.l., works.....lb. .32 - —
l.c.l., works.....lb. .33 - —
Cacodylic, bots.....lb. 13.00 -16.50
Camphoric, synthetic, cns.....lb. 6.00 - 6.60
Capric, tech., ret. dms.....lb. .45 - —
Caprylic, 99%, dms.....lb. .50 - —
Castor oil, split, ret. dms.....lb. .34½ - —
Chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½ - .04½
tanks, works.....lb. .02½ - —
Chromic, 99½-99¾%, dms., c.l.....lb. .20 - —
l.c.l.....lb. .20½ - .21
Cinnamic, refd., bots.....lb. 3.00 - 4.00
Citric, anhyd., gran., fine gran., bbls. lb. .25½ - —
dms., c.l.....lb. .24½ - —
10,000 lbs., 1 ship't.....lb. .25 - —
kgs.....lb. .28 - —
Anhydrous citric acid powder, ½c. per lb. higher.
USP, cryst., bbls., c.l.....lb. .25 - —
10,000 lbs., 1 ship't.....lb. .25½ - —
smaller lots.....lb. .26 - —
kgs.....lb. .28½ - —
gran., fine gran., bbls., c.l.....lb. .22 - —
10,000 lbs., 1 ship't.....lb. .22½ - —
smaller lots.....lb. .23 - —
kgs.....lb. .23½ - —
USP citric acid powder, ½c. per lb. higher.
Cleve's, bbls.....lb. .65 - 1.00
Coconut oil, dist., dms.....lb. .22¼ - .22¾
Corn oil, s.d., dms.....lb. .15¾ - .16
Cottonseed oil, s.d., dms.....lb. .15¾ - .16
Acid, cresylic, dom., coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald. gal. 1.26 - —
l.c.l., same basis.....gal. 1.29 - —
tanks, same basis.....gal. 1.20 - —
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref....gal. .616 - —
1-19, Cal., ref.....gal. .510 - —
Sewaren, N. J., ref.....gal. .636 - —
tanks, dlvd.....gal. .586 - —
medium grade (200°-246°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref....gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref....gal. .696 - —
tanks, dlvd.....gal. .646 - —

Crotonic, bbls., Canadian, works...lb. .25 - —

Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95

Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).

Formic, 85%, cbys., c.l., works....lb. .12 - —
l.c.l., works.....lb. .12½ - .14½
90%, cbys., c.l., works.....lb. .12½ - —
l.c.l., works.....lb. .13 - .14½

Fumaric, tech., bbls., dms.....lb. .27 - .31

Gallic, NF V, bbls., 1,000-lb. lots..lb. 1.40 - —
smaller lots.....lb. 1.43 - 1.45
technical, bbls., 1,000-lb. lots....lb. 1.23 - —
smaller lots.....lb. 1.26 - 1.28

Gamma, bbls.....lb. .97 - —
Gluconic, tech., 50%, bots.....lb. .23 - .31
dms.....lb. .14 - —
kgs.....lb. .16 - —

Glycolic (see Acid, hydroxyacetic).
H, bbls., works.....lb. .50 - —

Hydriodic, 45-47%, cbys.....lb. 2.52 - 2.54
57%, cbys.....lb. 2.83 - 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd, E..lb. .48 - —
tech., 48%, cbys., dlvd. E.....lb. .45 - —
34%, cbys., dlvd. E.....lb. .35 - .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works.....lb. .80 - 1.00
dilute, NF, 2%, 5-lb. bots.....lb. .30 - .40
Hydrofluoric, anhyd., cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works.....lb. .08 - .09
48%, rubber dms., works.....lb. .12 - —
52%, rubber dms., works.....lb. .12½ - —
60%, rubber dms., works.....lb. .13½ - —
Hydrofluosilicic, 30-35%, bbls.....lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila..lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .085 - —
Hypophosphorous, USP, djns.....lb. .75 - .77
Lactic, edible, 50%, bbls., 20 or more. lb. .14½ - —
smaller lots.....lb. .15 - —
80%, bbls., 5 or less.....lb. .24½ - .24¾
plastic grade, 50%, bbls., 20 or more. lb. .17¾ - —
10 or less.....lb. .18¼ - —
80%, bbls., 5 or less.....lb. .31¾ - .32½
tech., 22%, bbls., c.l., works. 100 lbs. 4.40 - —
l.c.l., works.....100 lbs. 4.80 - —
cbys., works.....100 lbs. 5.30 - —
44%, bbls., c.l., works.....100 lbs. 8.15 - —
l.c.l., bbls., works.....100 lbs. 8.55 - —
cbys., works.....100 lbs. 9.05 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Laurent's, bbls.....lb. .63 - —
Lauric, dist., 85%, dms.....lb. .29½ - .30
60%, dms.....lb. .24¼ - .24¾
Linseed oil, light, dms.....lb. .40 - .41
Maleic, powd., dms.....lb. .28 - .30

Anhydride (see M).

Malic, powd., kgs.....lb. .47 - —
Mandelic, NF, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .65 - .68
sulphuric unit.....lb. .0085 - .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, purified, flake, 99%, dms..lb. .21 - .22½
tech., flake, 96-97%, dms.....lb. .17 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works. 100 lbs. 1.50 - 1.70
l.c.l., E. works.....100 lbs. 1.90 - 2.90
tanks, E. works.....ton. 18.00 -18.90
20°, cbys., c.l., E. works....100 lbs. 1.85 - 2.00
tanks, E. works.....ton. 20.00 -21.00
22°, cbys., c.l., E. works....100 lbs. 2.35 - 2.50
tanks, E. works.....ton. 22.00 -26.00
CP, USP, consumers, cbys. extra. lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra.....lb. .06½ - —
6-lb. bots., extra.....lb. .08½ - —
Myristic, dist., dms.....lb. .40 - —
Naphthenic, 220-230 acidity, dms., extra, works..lb. .13 - —
tanks, works.....lb. .10 - —
230-240 acidity, dms., extra, works. lb. .20 - —
tanks, works.....lb. .17 - —
Neville and Winthers, dms.....lb. .73 - —
Nicotinic, USP, dms., works....kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works... 100 lbs. 5.00 - —
l.c.l., E. works.....100 lbs. 5.30 - 6.30
38°, cbys., c.l., E. works....100 lbs. 5.50 - —
l.c.l., E. works.....100 lbs. 6.00 - 6.25
40°, cbys., c.l., E. works....100 lbs. 6.00 - 6.50
l.c.l., E. works.....100 lbs. 6.50 - 7.10
42°, cbys., c.l., E. works....100 lbs. 6.50 - 7.00
l.c.l., E. works.....100 lbs. 7.00 - 7.25
CP, USP, consumers, cbys., extra. lb. .13 - —
7-lb. bots., cs., extra.....lb. .15 - —
dealers, cbys., extra.....lb. .11½ - —
7-lb. bots., cs., extra.....lb. .13½ - —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic, bbls., c.l., works.....lb. .13 - —
10,000 lbs., works.....lb. .13¼ - —
smaller lots, works.....lb. .14 - —
Palm oil, white, dist., dms.....lb. .18¼ - .18¾
Para-aminobenzoic, purified, dms., works..lb. 4.00 - —
technical, bbls., works.....lb. 1.55 - —
Paranitrobenzoic, cns.....lb. .80 - —
Acid, paratoluidinmetasulphonic, bbls., works..lb. .85 - —
Peanut oil, s.d., dms., c.l.....lb. .15¾ - —
tanks.....lb. .14½ - —
Phenylacetic, bots.....lb. 1.51 - 1.75
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..... 100 lbs. 4.50 - —
l.c.l., same basis.....100 lbs. 5.25 - 6.25
cbys., c.l., works, frt. equald.. 100 lbs. 5.00 - —
l.c.l., works, frt. alld..100 lbs. 6.00 - 7.50
75%, bbls., c.l., works, frt. equald..100 lbs. 5.25 - —
cbys., c.l., works, frt. equald. 100 lbs. 5.50 - —
l.c.l., works, frt. alld..... 100 lbs. 7.75 - 8.75
tanks, works, frt. equald.... 100 lbs. 4.65 - —
USP XII, 85%, 100-lb. cbys., c.l..lb. .10½ - —
l.c.l.....lb. .11½ - .13
70-lb. cbys.....lb. .10½ - —
l.c.l.....lb. .11½ - .13
dilut., 10%, cbys., djns.....lb. .07 - .07½
Pieramic, bgs.....lb. .65 - .70
Picric, bbls.....lb. .30 - .31
Propionic, nat., dms., works....lb. .18 - —
tanks, works.....lb. .17 - —
synth., pure, dms., works.....lb. .22 - —
tanks, works.....lb. .21 - —
Pyrogallic, tech., bbls.....lb. No prices
N.F., cryst., dms.....lb. 2.80 - 3.03
resub., dms.....lb. 3.30 - 3.45
Pyroligneous, bbls. incl., l.c.l., ex whse..gal. .41 - —
Ricinolete (see Acid, castor oil, split).
Salicylic, tech., bbls., c.l.....lb. .31 - —
smaller lots.....lb. .33 - —
USP, bbls., c.l.....lb. .40 - —
smaller lots.....lb. .47 - —
Sebacic, tech., dms., c.l., works....lb. No stocks
Soybean oil, s.d., dms., works.....lb. .15¾ - .16¼
Stearic, double pressed, bgs.....lb. .23 - .24
single pressed, bgs.....lb. .22½ - .23½
triple pressed, bgs.....lb. .25¼ - .26¼
Succinic, bbls.....lb. .87 - .90
Sulphanilic, CP, bots., works.....lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works. 100 lbs. 1.35 - 1.40
l.c.l., E. works.....100 lbs. 1.70 - 2.00
tanks, E. works.....ton. 13.00 -13.50
66°, cbys., c.l., E. works....100 lbs. 2.05 - 2.75
l.c.l., E. works.....100 lbs. 2.05 - 2.75
tanks, E. works.....ton. 16.50 -17.50
98%, tanks, E. works.....ton. 17.50 -18.50
CP, N.F., consumers cbys., extra, lb. .08 - —
9-lb. bots., cs., extra.....lb. .10 - —
dealers, cbys., extra.....lb. .06½ - —
9-lb. bots., cs., extra.....lb. .08¾ - —
fuming, 20%, tanks, E. works..ton. 19.50 -20.50
Tallow, dist., dms.....lb. .14¾ - —
tanks.....lb. .13½ - —
Tannic, tech., 60-62%, dms.....lb. .68 - .69
70%, H.P., dms.....lb. .80 - .90
72-74%, dms.....lb. .80 - .90
USP, fluffy, bbls., 1,000-lbs. lots..lb. 1.45 - —
smaller lots.....lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots....lb. 1.35 - —
smaller lots.....lb. 1.36 - 1.56
Tartaric, USP, bbls., 10,000 lbs., 1 ship't..lb. .49½ - —
smaller lots.....lb. .50 - —
dms.....lb. .52 - .55
kgs.....lb. .50½ - —
Thioglycolic, refined, bbls., cbys., basis 100%..lb. 1.95 - 2.00
tech., bbls., cbys., basis 100%....lb. 1.40 - —
Tobias, bbls. ... .lb. .60 - —
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, 100-lb. pkgs.....lb. 3.10 Nom.
pure, 100-lb. kgs.....lb. 2.90 Nom.
Aconite leaves, bls.....lb. .60 - .65
Root, bls.....lb. 1.10 - 1.15
Aconitine, amorph., mild, bots.....oz. 32.50 - —
cryst., potent, bots.....oz. 85.00 - —
Acrylonitrile, dms., c.l., works....lb. .29½ - —
l.c.l., works.....lb. .30½ - .42½
tanks, works.....lb. .28½ - —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls.....lb. .65 - .70
Agar.....lb. 2.75 Nom.
Agaric, white, bls.....lb. 2.75 - 3.00
Agrimony herb, bls.....lb. .40 - .45
Albumen, blood, dark (see Blood, soluble).
light, dms., l.c.l.....lb. .70 - —
egg, edible, cryst., gran., bbls....lb. 2.05 - 2.10
powd., bbls.....lb. 2.10 - 2.15
tech., cryst., bbls.....lb. 1.20 - 1.35
Alcohol, allyl, dms., c.l., dlvd.....lb. .21½ - —
l.c.l., dlvd.....lb. .22 - —
tanks, dlvd.....lb. .20 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss....lb. .161 - —
l.c.l., frt. alld. E. of Miss..lb. .171 - —
tanks, frt. alld. E. of Miss..lb. .151 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .72 - .80
dms.....lb. .68 - —
Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld....lb. .30½ - —
l.c.l., frt. alld. E.....lb. .31½ - —
tanks, frt. alld. E.....lb. .29 - —
tankwagon frt. alld. E....lb. .29½ - —
other production, dms., c.l., frt. alld. E..lb. .30½ - —
l.c.l., frt. alld. E.....lb. .31½ - —
tanks, frt. alld. E.....lb. .29 - —
synthetic, dms., c.l., frt. alld. E..lb. .17½ - —
l.c.l., frt. alld. E.....lb. .18 - —
tanks, frt. alld E.....lb. .16½ - —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., dlvd.....lb. .11 - —
l.c.l., dlvd.....lb. .11½ - —
tanks, dlvd.....lb. .09½ - —
teritary, dms., c.l.....lb. .12½ - —
l.c.l., dms.....lb. .13 - —
tanks.....lb. .11 - —
Capryl, dms., c.l., works.....lb. .17½ - —
l.c.l., works.....lb. .18½ - —
tanks, works.....lb. .16 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs..lb. 2.25 - —
smaller lots.....lb. 2.30 - 2.55
Cinnamic, bots.....lb. 3.00 - —

Alcohol, denatured, CD12, CD13, dms., c.l., E. works..gal. .94 - —
l.c.l., E. works.....gal. .98 - 1.03
tanks, dlvd. E.....gal. .87 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works, gal. .94 - —
l.c.l., E. works.....gal. .98 - 1.03
tanks, E. works.....gal. .87 - —
SD2B, dms., c.l., E. works.....gal. .94 - —
l.c.l., E. works.....gal. .98½ - 1.03½
tanks, E. works.....gal. .87½ - —
SD23H, dms., c.l., E. works....gal. .92½ - —
l.c.l., E. works.....gal. .96½ - 1.01½
tanks, E. works.....gal. .85½ - —
SD29, denatured with acetaldehyde, dms., c.l., E. works..gal. .95 - —
l.c.l., E. works.....gal. .99 - 1.04
tanks, E. works.....gal. .88 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., E. works, gal. .94½ - —
l.c.l., E. works.....gal. .98½ - 1.03½
tanks, E. works.....gal. .87½ - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone free, dms., c.l., dlvd..lb. .12½ - —
l.c.l., dlvd.....lb. .13½ - —
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .14½ - —
l.c.l., dlvd.....lb. .15½ - —
tanks, dlvd.....lb. .13 - —
Ethyl, 190 pf., dms., c.l., E. works gal. 18.04 - —
l.c.l., E. works.....gal. 18.08 -18.13
tanks, E. works.....gal. 17.97 - —
absolute, dms., c.l., E. works..gal. 19.01 - —
l.c.l., E. works.....gal. 19.05 -19.10
tanks, E. works.....gal. 18.94 - —
Ethylhexyl, dms., c.l., works.....lb. .25 - —
l.c.l., works.....lb. .26 - —
tanks, works.....lb. .24 - —
Furfuryl, tech., cns., works.....lb. .35 - —
dms., c.l., works.....lb. .22½ - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .19 - —
Isoamyl (see Carbinol, Isobutyl).
Isobutyl, refd., dms., works.....lb. .13 - —
tanks, works.....lb. .12 - —
Isopropyl, refd., 91%, dms., Incl., c.l., dlvd..gal. .44 - .47½
l.c.l., dlvd.....gal. .47 - .50¾
tanks, dlvd.....gal. .37 - .38
99%, dms., incl., c.l., dlvd....gal. .47½ - .50¾
l.c.l., dlvd.....gal. .50½ - .53
tanks, dlvd.....gal. .40½ - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
O-tyl, perfumer's grade, bots....lb. 4.00 - 4.40
Phenylethyl, dms.....lb. 2.30 - 3.50
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis..lb. .60 - .65
Prooyl, normal, dms., works,....gal. .82 - —
tanks, works.....gal. .75 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .47 - —
dms., c.l., Waverly, N. Y.....lb. .40 - —
l.c.l., same basis.....lb. .44 - —
tanks, Niagara Falls, N. Y.....lb. .38 - —
Aldol, 95%, dms., works.....lb. .15 - —
denaturing grade, dms.....gal. 1.80 - —
Aletris root, bgs.....lb. 2.20 - 2.25
Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .75 - .80
Allspice, Jamaica (see Pimento).
Mexican, bgs.....lb. .14½ - .15¼
Allyl bromide, cbys., 5,000 lbs., works lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd.....lb. .14 - —
l.c.l., dlvd.....lb. .14½ - —
tanks, dlvd.....lb. .12½ - —
Aloe, Cape, cs.....lb. .37 - .38
Curacao, kgs.....lb. .38 - .39
Socotrine, kgs.....lb. .46 - .47
Aloin, bbls., dms., kgs.....lb. 4.20 - 4.50
Alphanaphthol, bbls.....lb. .57 - .58
Alphanaphthylamine, bbls.....lb. .35 - .35¼
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ret. dms., works, frt. equald..lb. .24 - .27¼
Alphapinene, tanks, S. works.....gal. .59 - —
Alphaterpineol, dms., c.l., works....lb. .13 40 - —
l.c.l., works.....lb. .13 50 - —
tanks, works.....lb. .12 00 - —
Alphatocopherol, ampuls.....kilo. 150.00 - —
Althea root, NF, peeled, bls.....lb. .40 - .45
Alum, ammonia, burnt, USP, bbls., kgs. lb. .16 - .18
gran., bbls., works.....100 lbs. 4.00 - —
lump, bbls., works.....100 lbs. 4.25 - —
powd., bbls., works.....100 lbs. 4.40 - —
Potash, gran., bbls., works...100 lbs. 4.25 - —
lump, bbls., works.....100 lbs. 4.50 - —
powd., bbls., works.....100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½ - .15
Soda, bbls., c.l., works.....100 lbs. 3.27 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, classified grade, grd., kgs., works..lb. .35 - .37
top grade, grd., kgs., works.....lb. .60 - .67
unclassified, grd., kgs., works...lb. .10½ - .40
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works..lb. .11 - —
20%, bbls., l.c.l., works.....lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works..lb. .10 - .11
l.c.l., works.....lb. .10½ - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .06½ - .09¾
solution, 32°, cbys., c.l., works...lb. .02¾ - —
l.c.l., works.....lb. .03¼ - —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 19° Be., bbls., c.l., lb. .09½ - —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., works. ton. 56.00 - —
l.c.l., works.....ton. 75.00 - —
ught, bgs., dlvd.....lb. .17 - —

Aluminum Hydroxide—Barberry Root Bark

Aluminum, hydroxide gel, tech., min. 15% Al ($(OH)_3$), dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03½
ton lots, same basis.....lb. .03¼ - .05½
smaller lots, same basis....lb. .03¾ - .04
9-9½% Al_2O_3, fib. dms., works..lb. .17¾ - —
contract, works.....lb. .16¾ - —
14-15% Al_2O_3, fib. dms., works..lb. .20¾ - —
contract, works.....lb. .19¾ - —
dried, USP XII, fib. dms., works. lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .42 - —
Linoleate, solid, bbls.....lb. .51¼ - —
Metal, 98-99%, ingots, 10,000 lbs.lb. .15 - —
pigs, 10,000 lbs.....lb. .14 - —
Naphthenate, 1.7% Al, dms., wks.lb. .19 - —
Oleate, dms., contract.....lb. .43½ - —
Paste, lining, extra fine, 200-lb. dms. lb. .56 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .88 - —
Powder, lining, extra fine, 150-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .60 - —
standard, 200-lb. dms.....lb. .62 - —
rubber comp., 200-lb. dms.....lb. .42 - —
unpolished, stand., dms.....lb. .38 - —
varnish, stand., 300-lb. dms....lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Aluminum resinate, precip., dms....lb. .20½ - —
Stearate, dibasic, ctns., c.l.....lb. .39 - —
l.c.l. .....lb. .40 - —
monobasic, ctns., c.l.....lb. .39 - —
l.c.l. .....lb. .40 - —
tribasic, ctns., c.l.....lb. .44 - —
less ton quantities.....lb. .46 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.30
l.c.l., same basis.....100 lbs. 1.40 - 1.50
bbls., c.l., same basis.....100 lbs. 1.55 - 1.60
l.c.l., same basis.....100 lbs. 1.95 - 2.00
iron-free, bgs., c.l., works..100 lbs. 1.95 - 2.25
l.c.l., works.....100 lbs. 2.35 - 2.50
Trihydrate, heavy (see Alumina hydrate).
Ambergris, gray, tins.....oz. 8.50 -12.00
Aminoethylpropanol, cns., dms., works. lb. .50 - .60
Aminoethylethanolamine, tanks, works. lb. .50 - —
Aminopyrine, bots., dms.....lb. 4.50 - 4.75
Ammonia, anhydrous, fertilizer, tanks, works, frt. equald..ton.59.00 - —
Aqua, dms., c.l., works.....lb. .03 - .03¼
l.c.l., works.....lb. .03½ - —
tanks, works (NH_3 content)....ton.65.00 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works..100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.40 - —
white, gran., bbls., c.l., works.. 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 5.00 - —

Ammonium acetate, purified, bbls..lb. .32 - —
reagent, bbls.....lb. .34 - —
pure, cyls., extra.....lb. .16 - —
refrigeration, tanks, works.....ton.61.50 - —
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld..lb. .43 - —
smaller lots, frt. alld.....lb. .44 - .47
Biborate, bbls., c.l., works.....ton.332.00 - —
ton lots, works.....ton.388.50 - —
less ton lots, works.....ton.343.50 - —
Bicarbonate, dms., works, c.l.....lb. .064 - .0975
Bichromate, bbls., works.....lb. .26 - .30
Bifluoride, bbls.....lb. .15 - .15½
Bromide, gran., NF, bbls.....lb. .28 - —
dms. .....lb. .29 - .32
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms.....lb. .08¼ - .09½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, bbls., dms., kgs.....lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
Iodide, NF, jars.....lb. 3.00 - 3.96
Linoleate, 80% plastic, dms., works. lb. .40½ - —
kgs., works.....lb. .42½ - —
25%, dms., frt. alld. zone 1.....lb. .21½ - —
tech., bbls., works.....lb. .37 - —
dms., works.....lb. .39 - —
Molybdate, CP, cryst., kgs.....lb. 1.26 - 1.30
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point..ton.54.50 -57.00
bulk, same basis.....ton.48.50 51.00

Ammonium nitrate-limestone, 20.5% N, bgs., Hopewell, Va..ton.33.00 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .23 - —
dms. .....lb. .25 - .29
Pentaborate, gran., bbls., c.l., works. ton.230.00 - —
ton lots, works.....ton.248.50 - —
less ton lots, works.....ton.253.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs.....lb. .25 - —
Persulphate, kgs.....lb. .25½ - .28½
Phosphate, dibasic, NF V, bbls., kgs. lb. .37 - .39
tech., bgs., c.l., works.....lb. .07 - —
l.c.l., works.....lb. .07¾ - —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works.....lb. .07 - —
l.c.l., works.....lb. .07¾ - .08¾
Salicylate, NF, dms., kgs.....lb. 1.25 - —
Silicofluoride, bbls.....lb. .15 - .16
Stearate, anhydrous, dms.....lb. .34 - —
paste, dms.....lb. .06½ - —
Sulphamate, bbls., dms., works....lb. .18 - .20
Sulphate, bulk, producing ovens..ton.30.00 -38.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .15 - —
tanks dlvd. or frt. alld....lb. .08½ - —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, bbls.....lb. .60 - .68
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycolate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .25½ - —
l.c.l., dlvd.....lb. .26½ - —
tanks, dlvd.....lb. .24 - —
ex pentane, dms., c.l., frt., alld. E. of Miss. R...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether (see Ether, amyl).
Nitrite, USP, bots.....lb. 1.72 - 1.95
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, cns.....lb. .77 - .87
Stearate, dms., works.....lb. .42 - .45½
Anethol, com'l, dms., works.....lb. .677 - .685
NF, dms. .....lb. .60 - .90
Angelica root, dom., (atropurpurea) bls..lb. 1.10 - 1.15
imported, bls.....lb. 1.50 - 1.60
Angostura bark, bls.....lb. .55 - .60
Anilin oil, dms., c.l., works, frt. alld..lb. .14 - —
l.c.l., works, frt. alld.....lb. .15 - —
tanks works, frt. alld.....lb. .13 - —
Salt, dms., works.....lb. .22 - .24
Anise, Argentine, bgs.....lb. .29 - .30
Chinese, Star.....lb. .13 - .13½
Cyprus, bgs.....lb. .26 - .27
Mexican, bgs.....lb. .25½ - .26
Syrian, bgs.....lb. .26½ - .27
Anisic aldehyde, bots., cns.....lb. 2.80 - 2.95
dms. .....lb. 2.42 - 2.75
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs. .....lb. .19 - .20
Anthracene, 80-85%, bbls., works....lb. .60 - .86
90%, bbls., works.....lb. .81 - 1.00
Anthraquinone, 99.5%, bbls.....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., chys.....lb. .17 - —
Metal, bulk, c.l., mines.....lb. .33 - .33½
Needle, cs. .....lb. No stocks
Oxide, ceramic grade, bgs., c.l., works..lb. .26 - .27½
l.c.l., works .....lb. .28½ - .28½
paint grade, bgs., c.l., works....lb. .27½ - .31
l.c.l., works .....lb. .28½ - .32¾
Salt, 65%, bgs., c.l., dlvd. E. of Miss. lb. No stocks
Sulphide, 65-70%, bbls., c.l., works. lb. .22 - —
l.c.l., works .....lb. .24 - —
Antipyrine, bbls. .....lb. 2.15 - 2.25
Apomorphine, bots. .....oz.23.20 -23.70
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .24 - .29
Arecoline hydrobromide, bots.....oz. 6.10 - 7.10
Antimony-potassium tartrate (see Tartar emetic).
Argols, min. 70%, bgs., shipment ports, 100 kilos (100% purity)....25.00 - —
Arnica flowers, bls.....lb. 1.50 - 1.75
Arrowroot, powd., bgs., bbls.....lb. .14 - .15
Arsenic chloride (arsenous), bots..lb. 1.55 - —
Metal, lump, bbls., c.l.....lb. No stocks
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l.....lb. .06 - —
l.c.l. .....lb. .07 - .08
Asafetida, cs.....lb. .55 - .60
powd., bbls., dms.....lb. .72 - .77
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Can. mines..ton.65.00 - —
5R, bgs., c.l. (20 tons), same basis. ton.58.00 - —
6D, bgs., c.l. (30 tons), same basis. ton.43.00 - —
7D, bgs., c.l. (30 tons), same basis. ton.38.50 - —
7F, bgs., c.l. (30 tons), same basis. ton.36.50 - —
7K, bgs., c.l. (30 tons), same basis. ton.26.00 - —
7M, bgs., c.l. (30 tons), same basis. ton.22.50 - —
7R, bgs., c.l. (30 tons), same basis. ton.21.50 - —
7T, bgs., c.l., same basis.....ton.29.50 - —
7RF, bgs., c.l., same basis....ton.26.50 - —
7TF, bgs., c.l., same basis....ton.26.50 - —
Asphaltum California, dms., c.l..ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuban, A, bulk, c.l.....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l. .....ton.55.00 - —
Gilsonite, brilliant black, selects 270°-295° F fus. pt., bgs., mines. ton.33.50 - —
Seconds, 300°-390° F fusing point, not uniform, bgs., mines..ton.29.00 - —
Jet, bgs., ton lots, gross weight, Colo. mines..ton.29.00 - —
Manjak, No. 10, crude, dms., works. lb. .06½ - —
process form, bgs., works.....lb. .05¾ - .12
Mexican, refd., dms., f.o.b. Tampico, metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots. .....oz.10.05 - —
Sulphate, bots. .....oz. 8.75 - —

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80

Aluminum Chloride—As You Like It

Consistently uniform high purity is one reason why processors like to use Hooker Aluminum Chloride, Anhydrous. They know that here is one catalyst that will not "gum up" the works because of unknown impurities or changes in analysis from one shipment to another. Where smooth operations depend upon uniform purity of the Aluminum Chloride, you can depend on Hooker.

In Hooker Aluminum Chloride, too, you have a choice of three sizes from which you can select the one which will give you the best results.

Fine Grind .....an unscreened material practically all passing 20 mesh.
Coarse Grind ....unscreened, 1 mesh and finer containing 25 to 35% finer than 20 mesh.
Coarse Screened ..same as above screened to remove 20 mesh and finer.

Hooker Aluminum Chloride is being used as a catalyst in many Friedel-Crafts syntheses, polymerization, isomerization and halogenation. Practically free from iron (0.05% max.) it is especially desirable in the preparation of derivatives for use in the manufacture of high octane gasoline, lubricants, synthetic rubber, dyes, varnishes and pharmaceuticals.

Additional physical and chemical data on this important chemical are contained in Technical Data Sheet 714, sent when requested on your letterhead. Hooker's Technical Staff is also available for consultation and help on the application of Aluminum Chloride and the other Hooker chemicals to your purposes.

SPECIFICATIONS

Hooker Aluminum Chloride, Anhydrous $AlCl_3$
Gray, crystalline solid in three sizes.
Molecular Weight 133.3

ANALYSIS

Aluminum Chloride .....98.5 % min.
Iron .....0.05% max.
Non-sublimables in air at 950° C. ..... 1.5 % max.

HOOKER CHEMICALS

HOOKER ELECTROCHEMICAL COMPANY
1 FORTY-SEVENTH ST., NIAGARA FALLS, N. Y.
New York, N.Y. Wilmington, Calif. Tacoma, Wash.

Caustic Soda Paradichlorbenzene Muriatic Acid Chlorine Sodium Sulfide Sodium Sulfhydrate

we can now supply

MONOETHANOLAMINE

ORTHODICHLOROBENZENE

PARADICHLOROBENZENE

PROPYLENE GLYCOL

SODIUM SULFHYDRATE

WILLIAM D. NEUBERG CO., INC.

Chemicals

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TELEPHONE LEXINGTON 2-3324
CABLE—"WILNEUBERG"

Barbital—Borage Flowers

Barbital, dms. ..... lb. 3.50 - 3.60
Sodium, dms. ..... lb. 3.75 - 3.95
Barium carbonate, precip., bgs., 10 tons and up, works.. ton. 67.50 -75.00
small lots, works ..... ton. 74.50 -82.00
Chlorate, kgs., works ..... lb. .25½- .31
Chloride, CP, cryst., bbls. ..... lb. .25 - .27
pure, bbls., kgs. ..... lb. .10 - .12
tech., bgs., c.l., works ..... ton. 85.00 - —
l.c.l., works ..... ton. 95.00 - —
Dioxide, dms., c.l., works ..... lb. .11½- —
l.c.l., works ..... lb. .13 - —
Fluoride, bbls. ..... lb. .14 - —
Hydrate, crystals, bgs. ..... lb. .08 - .08½
Hydroxide, bbls., works ..... lb. .19 - —
Iodide, bots. ..... lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works ..... lb. .11½- —
l.c.l., works ..... lb. .13 - —
Oxide, grd., dms., works ..... lb. .12 - .13
lump, dms., c.l., works ..... lb. .09 - —
l.c.l., works ..... lb. .10 - .11
Peroxide (see Dioxide).
Silicofluoride, bbls. ..... lb. .17 - .19
Stearate, ctns., 1 ton up ..... lb. .43 - —
smaller lots ..... lb. .44 - —
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls, ... lb. .10 - .10½
kgs. ..... lb. .12½- —
Sulphide, dms., works ..... ton. 45.00 -64.00
Baryte ore, apprex. 94% $BaSO_4$, bulk, mines.. ton. 8.50 -12.50

Barytes, water-grd., paper bgs., c.l., St. Louis.. ton. 30.30 - —
l.c.l., same basis ..... ton. 32.10 - —
ex whse., N. Y. ..... ton. 45.00 - —
Southern off-color, bgs., mines.... ton. 19.00 - —
95.75%, bgs., mines ..... ton. 20.00 - —
Bay leaves (see Laurel leaves).
Barberry bark, bgs. ..... lb. .12 - .18
Belladonna leaf, bls. ..... lb. 1.45 - —
Root, bls. ..... lb. 1.25 Nom.
Bauxite, bulk, mines ..... ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works... ton. 40.00 - —
Benzaldehyde, NF, dms. ..... lb. .68 - .80
tech., cbys., dms. ..... lb. .45 - .55
Benzene (see Benzol).
Hexachloride, tech., 11% gamma, bgs., dms., c.l., works.. lb. .44 - —
l.c.l., works ..... lb. .48 - —
dust, dry, 50%, dms., c.l., works. lb. .374 - —
l.c.l., works ..... lb. .424 - —
wet, 50%, dms., c.l., works.... lb. .43 - .46
l.c.l., works ..... lb. .45 - .47
Benzidin base, bbls. ..... lb. .77 - —
Benzocaine, cns. ..... lb. 3.50 - 3.85
Benzol (benzene), pure, nitration and 90%, dms. ret., works..gal. .24 - —
tanks, E. of Omaha, frt. alld. up to 2c..gal. .19 - —
W. Coast, Minnequa, Colo., same basis..gal. .19 - —
Benzophenone, dms. ..... lb. 1.15 - 1.60
Benzoyl chloride, cbys. ..... lb. .20 - .28
Peroxide, pure, fib. ctns., works... lb. .80 - 1.00
No. 4, bgs., c.l., works ..... lb. .18 - —
l.c.l., works ..... lb. .22 - —

Benzoyl peroxide, No. 5, bgs., c.l., works.. lb. .30 - —
l.c.l., works ..... lb. .40 - —
No. 10, bgs., c.l., works ..... lb. .07 - —
l.c.l., works ..... lb. .09 - —
Mineral, bgs., l.c.l., works ..... ton. 26.00 -31.00
Vine A, bgs. ..... lb. .03¾- .04
B, bgs. ..... lb. .05¾- .06
Benzyl acetate, f.f.c., cns. ..... lb. .75 - —
dms. ..... lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., cns., dms. ..... lb. 1.00 - 1.40
Chloride, refined, cbys. ..... lb. .22 - —
tech., cbys., works, frt. equald.. lb. .20½- —
Cinnamate, cns. ..... lb. 3.55 - 4.00
Formate, cns. ..... lb. 1.70 - 2.50
Propionate, bots. ..... lb. 1.65 - 2.00
Salicylate, bots. ..... lb. 1.75 - 2.10
Benzylidinacetone, bots. ..... lb. 1.85 - 2.70
Benzylisoeugenol, bots. ..... lb. 9.50 - —
Berberine bisulphate, cns. ..... lb. No stocks
Hydrochloride, bots. ..... lb. No stocks
Sulphate, cns. ..... lb. No stocks
Berberis root, bls. ..... lb. .30 - .35
Betagammapicolin, dms., c.l., works. lb. .14½- —
l.c.l., works ..... lb. .25 - —
Betanaphthol, resublimed, dms., works. lb. .72 - —
tech., bbls., c.l., works ..... lb. .23 - .26
l.c.l., works ..... lb. .26 - .29
Benzoate, fib. dms., works ..... lb. 1.75 - —
Salicylate, dms. ..... lb. 5.00 - —
Betanaphthylamine, tech., bbls., works. lb. .59 - —
Betapicolin, 90%, ret. dms., c.l., works. lb. 1.60 - —
l.c.l., works ..... lb. 1.85 - —
95%, dms., works ..... lb. 2.05 - —
98-99%, dms., works ..... lb. 2.20 - —

Beth root, bls. ..... lb. .55 - .60
Bismuth chloride, jars ..... lb. 4.50 - —
Citrate, USP VIII, jars ..... lb. 3.12 - —
Hydroxide, dms. ..... lb. 4.00 - —
Metal, bxs., ton lots ..... lb. 2.60 - —
Nitrate, cryst., cns. ..... lb. 1.60 - —
Oxychloride, cns., dms. ..... lb. 3.80 - —
Oxide, anhydrous, dms. ..... lb. 4.20 - —
Subcarbonate, USP, dms. ..... lb. 2.60 - 2.63
Subgallate, NF, fib. dms. ..... lb. 2.45 - 2.49
Subiodide, fib. dms. ..... lb. 4.13 - —
Subnitrate, USP, dms. ..... lb. 2.15 - 2.19
Subsalicylate, USP, dms. ..... lb. 3.05 - —
Sulphocarbolate, fib. dms. ..... lb. 4.05 - —
Bismuth-ammonium citrate, USP, powd., dms.. lb. 3.70 - —
Black, acetylene, bgs., c.l., works.. lb. .12½- —
cs., l.c.l., ship. pt. ..... lb. .16 - .18
Bone, 1A, bgs., bbls., c.l., frt. alld. dest.. lb. .21 - —
1, bgs., bbls., c.l., same basis... lb. .19 - —
2, bgs., bbls., c.l., same basis... lb. .17½- —
3, bgs., bbls., c.l., same basis... lb. .16½- —
4, bgs., bbls., c.l., same basis... lb. .15½- —
5, bgs., bbls., c.l., same basis... lb. .13 - —
6, bgs., bbls., c.l., same basis... lb. .13 - —
7, bgs., bbls., c.l., same basis... lb. .16 - —
8, bgs., bbls., c.l., same basis... lb. .17 - —
457, bgs., bbls., c.l., same basis.. lb. .16 - —
Bone black, l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon, channel, beads, bulk, c.l., works.. lb. .06 - —
bgs., c.l., works ..... lb. .0632- —
l.c.l., works ..... lb. .07 - —
dlvd. or whse ..... lb. .1025- —
uncompressed, regular, bgs., c.l., works.. lb. .074 - —
bgs., ctns., l.c.l., dlvd. or whse lb. .11½- —
furnace, HMF, bgs., c.l., works.. lb. .05 - —
ctns., l.c.l., whse ..... lb. .09 - —
SRF, bgs., c.l., works ..... lb. .035 - —
ctns., l.c.l., whse ..... lb. .075 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., l.c.l., works.. lb. .09¼- —
l.c.l., works ..... lb. .09½- —
Lamp, A-8, bgs., c.l., works ..... lb. .14 - —
l.c.l., works ..... lb. .15 - —
AA, bgs., c.l., works ..... lb. .25 - —
l.c.l., works ..... lb. .26 - —
B-5, No. 1, bgs., c.l., works.... lb. .10 - —
l.c.l., works ..... lb. .12 - —
BTA, No. 2, bgs., c.l., works.... lb. .12 - —
l.c.l., works ..... lb. .13 - —
S-160, bgs., c.l., works ..... lb. .12 - —
l.c.l., works ..... lb. .13 - —
No. 3, bgs., c.l., works ..... lb. .13 - —
l.c.l., works ..... lb. .16½- —
Black ash (see Barium sulphide).
Black dyes (see Dyes).
Black haw root bark, bls. ..... lb. .75 - .76
Tree bark, bls. ..... lb. .35 - .43
Black Indian hemp root, bls. ..... lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works.. ton. 67.50 - —
l.c.l., works ..... ton. 72.50 - —
direct process, bgs., c.l., works... ton. 77.50 - —
l.c.l., works ..... ton. 82.50 - —
N. Y. whse ..... ton. 95.00 - —
bbls., c.l., works ..... ton. 82.50 - —
l.c.l., works ..... ton. 87.50 - —
N. Y. whse ..... ton. 100.00 - —
pulp, 66⅔%, bbls., c.l., works.. ton. 55.00 - —
l.c.l., same basis ..... ton. 60.00 - —
Bleaching powder, dms., c.l., works.... 100 lbs. 2.75 - 3.00
l.c.l., works ..... 100 lbs. 3.75 - —
bbls., c.l., works ..... 100 lbs. 3.25 - —
l.c.l., works ..... 100 lbs. 3.75 - —
Blood, dried, 16-16½% ammo., bgs..... unit-ton. 7.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago.. unit-ton. 7.00 - —
soluble, bgs., l.c.l. ..... lb. .17 - —
Bloodroot, bls. ..... lb. .60 - .65
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.90 - —
Toner, bbls., litho flushed, same basis.. lb. 1.10 - —
Celestial, bbls., same basis ..... lb. .15 - .16
Chinese, bbls., same basis ..... lb. .42 - —
Cobalt, genuine, bbls., same basis. lb. 4.00 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanin, full strength, bbls., same basis.. lb. 3.75 - 3.85
80%, bbls., same basis ..... lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Methyl violet toner, bbls., same basis. lb. 4.20 - —
Milori, bbls., same basis ..... lb. .42 - —
Peacock, fugitive, 100% color strength, same basis.. lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis.. lb. 3.75 - —
Tungstic ..... lb. 4.00 - —
Potash, CP, bbls., same basis.... lb. .48 - —
Prussian bbls., same basis ..... lb. .42 - —
soluble, bbls., same basis ..... lb. .42 - —
Soda, CP, bronze, bbls., same basis. lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis.. lb. .24 - .28
jobbing type, dry, bbls., same basis.. lb. .13 - .14
regular types, dry or pulp, bbls., same basis.. lb. .18 - .19
Victoria, toner, molybdic, bbls.... lb. 3.75 - —
Tungstic, bbls. ..... lb. 3.75 - —
Ink toner, bbls., same basis.... lb. 2.05 - 2.12
Violet toner, molybdic, bbls., same basis.. lb. 1.24 - —
Tungstic, kgs., same basis.. lb. 2.50 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c., Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. ..... lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. ..... lb. .11 - .12
Bone, raw, bulk, Chicago ..... ton. 75.00 - —
junk, bulk, same basis ..... ton. 50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton. 65.00 - —
Chicago, works ..... ton. 60.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works.. ton. 65.00 - —
Chicago, works ..... ton. 65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works.. ton. 60.00 - —
Chicago, works ..... ton. 60.00 - —
Phosphate, defluorinated (see D).
precipitated (see Calcium Phosphate tribasic precip).
Boneset leaves, bls. ..... lb. .17 - .18
Borage flowers, bls. ..... lb. .55 - .56

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ALUMINUM
BARIUM
CALCIUM
LEAD
LITHIUM
MAGNESIUM
SODIUM
ZINC

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LOS ANGELES • BOSTON • CHICAGO • DETROIT • CLEVELAND • AKRON
SAN FRANCISCO • LONDON AND MANCHESTER, ENGLAND

Borax, tech., 99½%, cryst., paper bgs., c.l., works, frt. alld..ton.53.50 -56.00
ton lots, ex whse., N. Y. or Chi..ton.71.00 - —
less ton lots, same basis..ton.76.00 - —
bbls., c.l., works, frt. alld..ton.73.50 - —
ton lots, ex whse., N. Y. or Chi..ton.91.00 - —
less ton lots, same basis..ton.96.00 - —
fine gran., bulk, works.....ton.44.50 -47.50
paper bgs., c.l., works, frt. alld. ton.48.50 - —
ton lots, ex whse., N. Y. or Chi..ton.66.00 - —
less ton lots, same basis..ton.71.00 - —
bbls., c.l., works, frt. alld..ton.68.50 - —
ton lots, ex whse., N. Y. or Chi..ton.86.00 - —
less ton lots, same basis..ton.91.00 - —
powdered, paper bgs., c.l., works, frt. alld..ton.53.50 - —
ton lots, ex whse., N. Y. or Chi..ton.71.00 - —
less ton lots, same basis..ton.76.00 - —
bbls., c.l., works, frt. alld..ton.73.50 - —
ton lots, ex whse., N. Y. or Chi..ton.91.00 - —
less ton lots, same basis..ton.96.00 - —
Borax packed in kgs. is $40 per ton higher than borax packed in paper bags. USP, $15 per ton higher.

Bordeaux mixture, bgs., c.l., whse., works, frt. alld..lb. .15 - .21
l.c.l., same basis.....lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., same basis.....lb. .23 - —
single pkgs., same basis.....lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - 1.70
cbys. .....lb. 1.42 - —
Bromstyrol, bots.....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works..lb. .50 - .60
moulding, cans, dms., works..lb. .80 - 1.00
printing ink, cans, dms., works.lb. .95 - 1.10
radiator, cans, dms., works....lb. .60 - .65
Broomtop, bls.....lb. .29 - .30
Brown, iron, synth., bgs., l.c.l., works. lb. .12 - —
Oxide, metallic, bgs., c.l., works..lb. .02½- .02¾
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, works, paper bgs., l.c.l..lb. .06¾- .16¾
Italian type, bgs., works.....lb. .10¾- .14
raw, American, bgs., l.c.l., works.. lb. .05¾- .10¾
Italian type, bbls., works.....lb. .11¾- .12¾
Umber, burnt, American, c.l., bbls., works..lb. .04¾- —
l.c.l., bgs., works.....lb. .05 - —
Italian type, bbls., works.....lb. .05¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y..lb. .05 - —
l.c.l., works.....lb. .05¼- —
raw, American, bgs., same basis.lb. .05¼- —
Turkey type, bgs., same basis..lb. .05 - —
Vandyke, reg., bbls., works.....lb. .10 - .11
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .40 - .50
Sulphate, cns., 100 ozs.....oz. .40 - .45
Bryonia root, bls.....lb. .45 - .50
Buchu leaves, bls.....lb. .97 - 1.00
Buckthorn bark, bls.....lb. .34 - .35
cut and sifted, bbls.....lb. .45 - .46
Berries, bgs.....lb. 1.00 - 1.10
Butane, indust. tanks, group 3..gal. .03¼- —
Burdock root, bls.....lb. .45 - .46
Butyl acetate, normal, ferment. III., Ind., prod., dms., c.l., works, frt. alld. E. of Miss..lb. .30½- —
l.c.l., same basis.....lb. .31½- —
tanks, same basis.....lb. .29 - —
tankwagons, same basis..lb. .29½- —
other production, dms., c.l., same basis..lb. .30½- —
l.c.l., same basis.....lb. .31½- —
tanks, same basis.....lb. .29 - —
synthetic, dms., c.l., same basis. lb. .17½- —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .16½- —
Normal butyl acetate, W. of Miss., ½c. per lb. higher.
secondary, dms., c.l., dlvd. E. of Miss..lb. .1200- —
l.c.l., same basis.....gal. 1.19 - —
tanks, same basis.....lb. .1150- —
Aldehyde, dms., c.l., works.....lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .40½- —
l.c.l., same basis.....lb. .41½- —
tanks, same basis.....lb. .39 - —
Laurate, dms., works.....lb. .42 - —
Methacrylate, M-4, dms., works..lb. .60 - —
cns., works.....lb. .63 - .67
P-4, cns., works.....lb. .65 - —
Myristate, dms., works.....lb. No prices
Oleate, ref., dms., l.c.l., works....lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. No stocks
tanks, dlvd.....lb. No stocks
Stearate, dms., l.c.l., frt. alld. E. of Rockies..lb. .45 - —
Butyl-isobutyl methacrylate, P-5, 50/50, cns., works..lb. .60 - —
Butyric ether (see Ethyl butyrate).

C

Cadmium bromide, jars.....lb. 1.66 - 1.91
Iodide, cns.....lb. 4.49 - 4.64
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd..lb. 1.75 - 1.80
patent shapes, cs., dlvd.....lb. 1.75 - 1.80
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, cryst., dms., 100 lbs. or more. lb. 3.75 - 7.00
anhydrous, dms., 100 lbs. or more.. lb. 4.00 - —
Citrated, dms., 100 lbs. or more....lb. 2.50 - —
Hydrobromide, bots.....lb. 5.91 - 5.92
Calabar beans, bgs., futures.....lb. .65 - .66
Calamus root, dom., bls.....lb. .35 - .40
bleached, imported, bls.....lb. .70 - .80
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works..gram. 4.00 - —
1,000 to 10,000 s.u., works..gram. 4.40 - —
less than 1,000 s.u., works..gram. 4.80 - —
in edible oil, dms., 10,000 or more s.u., works..unit. .10 - —
1,000 to 10,000 s.u., works..unit. .11 - —
less than 1,000 s.u., works..unit. .12 - —

Calcium acetate, bgs., dlvd.....100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld..lb. .09½- —
l.c.l., same basis.....lb. .10½- .11½
Bromide, N.F., jars.....lb. .70 - —
Carbide, dms., c.l., works.....ton.50.00 - —
delivered .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars.. lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd. ton.21.50 -38.00
l.c.l., dlvd.....ton.31.50 -48.00
liquor, works, basis 40%.....ton. 8.50 - —
solid, 73-75%, dms., c.l., dlvd..ton.21.00 -37.50
l.c.l., dlvd.....ton.31.00 -34.15
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap bgs., $2.50 per ton higher; dms., $3.50 per ton higher.
Cyanide, dms., delivered E. of Rockies..lb. .25 - .40
Gluconate, AA, bbls.....lb. .65 - .72
cns. .....lb. .85 - .90
USP, bbls.....lb. .58 - .65
cns. .....lb. .76 - .82
Hydride, dms., works.....lb. .90 - —
Glycerophosphate, NF, fib. dms....lb. 1.90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies..dm.24.00 -28.50
cans, cased (45 lbs.), same basis..cs.19.75 -21.50
Iodide, jars.....lb. 4.12 - —
Lactate, USP, dms.....lb. .40 - .50
Laurate, bbls.....lb. .43 - .44
Mandelate, USP, dms., works.....lb. 2.05 - 2.30
Naphthenate, 5% Ca, dms.....lb. .27 - —
Pantothenate, dex., jars.....kilo.75.00 - —
Phosphate, feeding grade, bgs., works. ton.75.00 - —
food grade, bbls., 10 or over, works. lb. .07 - .07¾
less than 10, works.....lb. .06 - .10

Calcium phosphate, medicinal, dibasic, bgs..100 lbs.11.40 -19.00
monobasic, cryst., bgs., c.l., works, frt., equald..lb. .05¾- —
l.c.l., same basis.....lb. .06 - .06½
tribasic, bbls., c.l., works.....lb. .0685- —
bgs., l.c.l., works.....lb. .0645- .0680
Phytate, bgs., works.....lb. .16 - .17
Resinate, precip., 5.8% Ca, dms..lb. .20 - —
Silicate, hydrated, bgs., c.l., works. .05½- —
l.c.l., works .....lb. .06 - —
Stearate, precip., ctns., 2,000 lbs. to c.l., works..lb. .40 - —
smaller lots, works.....lb. .41 - .42
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works..ton.45.00 - —
70%, bgs., c.l., works.....ton.50.00 - —
luminous, tins, works.....lb. 1.25 - —
Sulphocarbolate, bbls., dms....lb. .49 - .54
Calcium-strontium sulphide, phosphorescent, dms., works.....lb. 1.00 - 1.50
fine particle size, works.....lb. 1.50 - 1.75
Calendula flowers, bls. .....lb. 1.00 - 1.05
Calomel, USP, cryst., dms.....lb. 2.10 - 2.11
fine powd., dms. .....lb. 2.25 - 2.26
Camphor, monobromated, dms.....lb. 3.20 - —
Camphor, natural .....lb. No stocks.
synth., tech., bbls., 2,000 lbs. or more, works..lb. .45 - —
10 bbls. (1,500 lbs.).....lb. .47½- —
smaller lots .....lb. .48 - .58
USP, gran., powd., bbls., 2,000-lb. lots..lb. .72 - —
1,000-lb. lots .....lb. .73 - —
smaller lots .....lb. .74 - —
tablets, tins, 2,000-lb. lots..lb. .86 - —
1,000-lb. lots .....lb. .87 - —
smaller lots .....lb. .88 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs.....lb. 4.00 - 4.25
powd., bxs. .....lb. 4.25 - 4.50
Russian, bgs. .....lb. 7.00 - 7.25
powd., bxs. .....lb. 7.25 - 7.50

Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns.....lb. 4.50 - 4.85
Caramel coloring, bbls. .....gal. 1.25 - —
Caraway seed, Danish, bgs.....lb. .17 Nom.
Dutch, bgs., if released.....lb. .16½- .17
futures, new crop, bgs.....lb. .16 - .16¼
Carbazole, 97%, dms., ton lots, works. lb. 1.10 - 1.30
smaller lots, works.....lb. 1.20 - —
Carbinol, butyl, norm., dms., l.c.l., works..lb. .42 - —
secondary, dms., l.c.l., works..lb. .70 - —
Isobutyl, dms., c.l., works.....lb. .51 - —
l.c.l., works .....lb. .52 - —
tanks, works .....lb. .50 - —
Methylisobutyl, dms., c.l., nearest delivery point, buyer's works..lb. .14½- —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .12 - —
Carbon bisulphide, 50-gal. dms., c.l., frt. alld. E. of Miss., N. of Ohio..lb. .05 - —
5-gal. dms., c.l., same basis..lb. .07 - .07¼
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride, CP dms., c.l.....lb. .09 - —
l.c.l. .....lb. .09½- —
tech., dms., zone 1, c.l., frt. alld.lb. .06½- —
l.c.l. .....lb. .07 - —
zone 2, c.l., frt. alld.....lb. .07 - —
l.c.l. .....lb. .07 - —
zone 3, c.l., frt. alld.....lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
zone 4, c.l.....lb. .07 - —
l.c.l. .....lb. .07½- —

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CP, USP

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SODIUM SULPHATE
ANHYDROUS

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BLEACHING POWDER
70%

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Carbon Tetrachloride—Copaiba Balsam

Carbon tetrachloride, USP, cbys....lb. .17 - .19
Carbon tetrachloride prices in zone 4 are f.o.b. Los L.A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom fruit, bleached, bold, cs..lb. 1.65 - 1.70
medium, cs.....lb. 1.50 - 1.55
decorticated, Guatemalan, cs....lb. 1.15 - 1.20
Indian, cs.....lb. 1.15 - 1.20
green, Alleppey, bgs.....lb. 1.05 - 1.10
Seed (see cardamom, decorticated).

Carotene, cryst., research grade tins, works..gram. 5.00 - —
in vegetable oil (alpha, 10%, beta, 90%), amps., 100 grams, dlvd gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
tech., tins, works.....lb. .67½- —
diluted, dry powd., 3,330 A units per gm., bots., works..lb. .70 - —
vegetable oil, 250,000 A units per gm., bots., works..lb. 37.80 - —
50,000 A units, per gm., bots., works..lb. 7.87 - —
3,330 A units, per gm., bots., works..lb. .85 - —

Carvol, bots.....lb. 13.00 -16.00

Cascara sagrada bark, bulk.....lb. .40 - .43
Case-hardening mixture, 30% gran., dms., l.c.l...lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship. point..lb. .32 - .34
rennet-precip., 10,000 lbs. or more, same basis..lb. .34 Nom.
Imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .33½- .35½
rennet-precip., unground, 100 bgs., or more..lb. .36 Nom.
smaller lots.....lb. .37 Nom.
Cassia bark, Batavia, No. 1, short-stick, bls..lb. .60 Nom.
broken, bls.....lb. .24 - .25
thinquill, bls.....lb. .60 Nom.
China, rolls, select, cs.....lb. .11 - .11½
broken, bls.....lb. .08 - .08½
Kwangsi, broken, bls.....lb. .19 - .19½
Saigon, broken, bls.....lb. .27 - .28
medium, bls.....lb. .35 - .35½
4-10-4, bls.....lb. .33 - .34
Yunnan, bls.....lb. .12½- .13
Buds, China, bgs.....lb. .21 - .21½
Cassia fistula, bakts.....lb. .26 - .28
Castor beans, bgs., Brazilian ports, long ton.210.00 - —
Oil (see Oil, castor).
Pomace, bgs.,c.l.,works.....ton.37.50 - —
Castoreum, nat., cns.....lb.39.00 - —
Catechol, CP, cryst., works, fib. dms.lb. 2.00 - —
resublimed, works, dms.....lb. 3.25 - —
Catnep, bls.....lb. .35 - .40
Celery seed, French, bgs.....lb. .28 - .28½
Indian, bgs.....lb. .21 - .21½
Celluloid scrap (see Pyroxylin scrap).

Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .37 - —
granules, ctns., same basis.....lb. .42 - —
Acetate-butyrate, flake, low butyryl content, 15.5-17%, ctns., 5,000 lbs. frt. alld..lb. .49 - —
1,000 lbs., frt. alld.....lb. .50 - —
100 lbs., frt. alld.....lb. .51 - —
smaller lots, works.....lb. .52 - —
medium, 36.5%, ctns., 5,000 lbs. frt. alld..lb. .51 - —
1,000 lbs., frt. alld.....lb. .52 - —
100 lbs., frt. alld.....lb. .53 - —
smaller lots, works.....lb. .54 - —
powd., high butyryl content, 47-50%, ctns., 5,000 lbs., frt. alld. lb. .57 - —
1,000 lbs., frt. alld.....lb. .58 - —
100 lbs., frt. alld.....lb. .59 - —
smaller lots, works.....lb. .60 - —
Granules are 6c. per lb. higher, all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .40 - —
Cerium hydrate, dms., works.....lb. 1.00 - —
Oxalate, NF, bbls., kgs., works..lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works..lb. 2.25 - —
kgs., 100-lb. lots, works.....lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drug, bgs., c.l., works..lb. .02¾- —
l.c.l., ex whse.....lb. .04 - —
paint, bgs., c.l., works.....ton.40.00 - —
papermakers, bgs., c.l., works..ton.32.50 -40.00
rubbermakers, bgs., c.l., works.. ton.30.00 - —
Chamomile, Hungarian type, cs....lb. .65 - .70
Roman, bls., futures.....lb. 1.45 - 1.50

Charcoal, hardwood, briquets, bulk, c.l., works..ton.49.50 - —
bgs., c.l., works.....ton.54.50 -55.50
granular, bgs., incl., c.l., works, ton.50.50 - —
lump, bulk, c.l., works.....ton.39.50 -43.50
bgs., extra, returnable, c.l., works..ton.42.50 -45.50
screenings, bgs., works.....ton.33.50 - —
Pinewood, gran., powd., bgs., c.l., works, South..ton.40.00 - —
l.c.l., works.....ton.50.00 -60.00
lump, bgs., c.l., works, South..ton.35.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, powd., 65% tannin, bgs., extra, c.l., works..lb. .1040- —
l.c.l., works.....lb. .1115- —
solid, 25% tannin, bbls., c.l., works, lb. .0435- —
l.c.l., works.....lb. .0460- —
tanks, works.....lb. .0375- —
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works..ton.10.00 -13.00
l.c.l., works.....ton.14.00 -16.00
bulk, c.l., works.....ton. 9.00 - —
99% 200 mesh, bgs., c.l., works..ton.10.00 -12.00
l.c.l., works.....ton.11.00 -16.00
wet-grd., silk-bolt, 99½% 325 mesh, bulk, c.l., works....ton.11.50 - —
paper bgs., c.l., works..ton.15.00 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.51.25 - —
powd., cks., l.c.l., ex whse..ton.60.00 - —
Chloral, dms., works.....lb. .45 - .50
Hydrate, jars.....lb. .93 - .98
Synthetic rubber, same basis, all quantities..lb. .52 - —
Chlordane, agricultural, dms., c.l., frt. alld..lb. 1.75 - —
l.c.l., frt alld.....lb. 1.90 - 2.00
refined, dms., c.l., frt. alld.....lb. 2.00 - —
l.c.l., frt. alld.....lb. 2.15 - 2.25
technical, cns., c.l., works.....lb. 1.75 - —
l.c.l., works.....lb. 1.80 - 2.00
Chlorinated rubber, standard, ctns., 100 lbs. up, works..lb. .40 - —
smaller lots, works.....lb. .43 - —
Chlorine, liquid, cyls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd.....lb. .09 - .10½
tanks, single units, works, frt. equald..100 lbs. 2.00 - —
multiple units, 3 cars, works, frt. equald..100 lbs. 2.30 - —
2 cars, same basis....100 lbs. 2.90 - —
1 car, same basis.....100 lbs. 3.50 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, bots., ex whse..lb. 1.25 - —
cyls., 180-lbs., works, frt. alld..lb. .80 - —
100-lbs., same basis.....lb. .82 - —
25-lbs., ex whse.....lb. 1.00 - —
Choline chloride, fib. dms., works..lb. 3.00 - 3.10
feed grade, fib. dms., works..lb. 2.00 - —
Dihydrogen citrate, fib. dms., works, lb. 3.00 - 3.10
Chrome acetate, powd., 12% Cr., bbls., works..lb. No stocks.
solut., 7½%, bbls., cs.....lb. .09½- —
8½%, bbls., cs.....lb. .09¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Fluoride, bbls., works.....lb. .24 - .27
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 8.00
Cinchona bark, USP, red, quill, 30-in., cs..lb. 1.26 Nom.
Cinchonidine, small cryst., cns., 100 ozs..oz. 1.02½- —
Cinchonine, large cryst., cns., 100 ozs. oz. .79½- —
small cryst., cns., 100 ozs.....oz. .75½- —
Sulphate, NF, cns., 100 ozs.....oz. .35½- —
Cinchophen, NF, heavy, dms., works, lb. 4.20 - 4.30
standard, dms., works.....lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms.....lb. .82 - 1.25
Cinnamon, Ceylon, No. 2, bls.....lb. .42 - .44
Citral, bots., cns.....lb. 5.15 - 7.70
Citronellal, bots., dms.....lb. No prices.
Citronellol, bots., dms.....lb. 7.50 -10.00
Cloves, Madagascar, bls.....lb. .12 - —
futures, bls.....lb. .11½- .12
Zanzibar, bls.....lb. .17 - —
Clover tops, red, dom., bgs.....lb. .65 - .70
imported, bgs.....lb. No stocks.
Coaltar, coal-gas, crude, dms., c.l., works..dm. 9.50 - —
l.c.l., works.....dm.10.00 - —
tanks, works.....gal. .09 - —
refd., bbls., c.l., works.....bbl.10.00 - —
l.c.l., works.....bbl.10.50 - —
tanks, works.....gal. .10 - —
water-gas, crude, dms., c.l., works, gal. .21 - —
l.c.l., works.....gal. .22 - —
tanks, works.....gal. .11 - —
refd., dms., c.l., works.....gal. .22 - —
l.c.l., works.....gal. .23 - —
Cobalt acetate, bbls., kgs., dlvd..lb. .83¾- —
Carbonate, powd., bgs., works....lb. 1.58 - —
feed, grade, 49½% Co, kgs.....lb. 1.58 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs.....lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs.....lb. 2.04 - —
Linoleate, paste, 6% Co, dms....lb. .58¼- —
solid 8½% Co, dms.....lb. .63¾- —
solid 8% Co, dms.....lb. .62¾- —
Naphthenate, solid, 6% Co, dms..lb. .35½- —
Nitrate, feed grade, 20.4% Co, bbls. lb. .75¾- —
Oleate, bbls.....lb. .44 Nom.
Oxide, black, kgs.....lb. 1.27½- 1.30
Phosphate, feed grade, 34% Co, kgs. lb. 1.26½- —
Resinate, precip., 7.5% Co, dms....lb. .38½- —
Sovate 8.5% solid Co, dms.....lb. .73½- —
Sulphate, dms.....lb. .65 - —
feed grade, 21% Co, kgs.....lb. 1.00 - —
Cobalt salts, feed grade quotations are f.o.b. Phila., Cleve. or N. Y.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, cns., 100-oz. lots..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .67 - .68
silver, Teneriffe, bgs.....lb. .69 - .70
Cocoa butter, bgs.....lb. .69 - .70
Cocillana bark, bgs.....lb. .45 - .46
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs....oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh black, root, bls.....lb. .22 - .23
Blue, bls.....lb. .22 - .23
Colchicum seed, bgs.....lb. 4.00 - 4.25
Colchinine, bots., cns.....oz. No stocks
Collodion, USP, dms.....lb. .24 - .29
Flexible, USP, dms.....lb. .25½- .30½
Colocynth pulp, bls.....lb. .50 - .52
Colombo root, bls.....lb. .16 - .17
Coltsfoot leaves, bgs.....lb. .43 - .44
Condurango bark, bgs., nutures....lb. .25 - .26
Copaiba balsam, Para, cns.....lb. No stocks
S. A., USP, cns.....lb. .85 - .90

STAUFFER CHEMICALS

As the textile industry grows, Stauffer Chemical Company keeps pace by supplying increasing quantities of such basic textile chemicals as nitric and sulphuric acids, caustic soda, sodium hydrosulphide and carbon bisulphide. With chemical plants located within convenient reach of every industrial center, Stauffer can deliver quality chemicals . . . in quantity.

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Muriatic Acid
Nitric Acid
Silicon Tetrachloride
Sodium Hydrosulphide
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Sulphur
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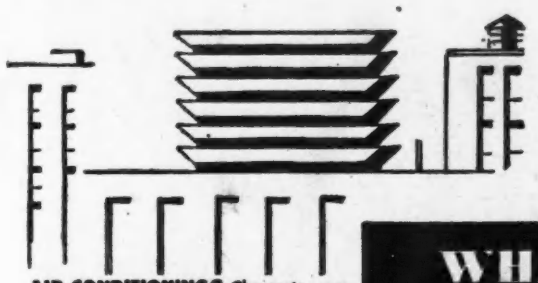
Copper acetate, cupric, bbls., works.. lb. .28 - —
smaller containers, works.....lb. .29 - .30
Carbonate, 52-54%, bbls.....lb. .24 - .26
Chloride, anhyd., bbls.....lb. .26½- —
crystals, bbls.....lb. .17¾- —
Cyanide, tech., bbls.....lb. .40½- —
Hydrate, dms., del. E. Miss.....lb. .26½- .26¾
Metal, electrolytic.....lb. .21½- —
Naphthenate, liquid, 8% Cu, dms., dlvd..lb. .21 - —
solid, 11% Cu, dms., dlvd.....lb. .27½- —
Nitrate, tech., cryst., bbls., works, lb. .25 - .28
Oleate, cu 10% solid precip, bbls...lb. .36¾- —
Oxide, black, bbls., works.....lb. .28 - .30
Red, com'l, bbls., works.....lb. .31 - .33
Oxychloride-sulphate, bgs.....lb. .24 - —
Resinate, precip., 8.5% Cu, dms..lb. .21½- —
Stearate, bgs., works.....lb. .35½- —
Sulphate, cryst., 99%, bgs., c.l., works..100 lbs. 7.60 - —
l.c.l. .....100 lbs. 7.85 - 8.60
monohydrated, 35%, dms., c.l., dlvd..100 lbs. 12.55 -12.80
l.c.l., dlvd. .....100 lbs. 13.55 - —
tribasic, dealers, bgs., works, c.l., lb. .21½- .22½
l.c.l., works.....lb. .23 - .23½
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.60
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra, c.i.f., Pacific ports.....ton. 142.50 - —
Atlantic or Gulf ports.....ton. 148.50 - —
Coriander seed, Argentine, bgs....lb. .06 - .06½
Indian, bgs. .....lb. No stocks
Italian, bgs. .....lb. .06¼- .06¾
Moroccan, bgs. .....lb. No stocks
Peruvian, bgs., afloat.....lb. .08½- .09
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min.....100 lbs. 6.51 - —
bbls., c.l., same basis..100 lbs. 6.55 - —
Syrup, 42°, bbls., c.l.....100 lbs. 6.92 - —
l.c.l. .....100 lbs. 7.07 - —
Cornsilk, bls. .....lb. .32 - .33
Corrosive sublimate, USP, cryst., dms., 50 lbs. or more..lb. 1.93 - —
gran., powd., dms., 50 lbs. or more..lb. 1.78 - —
Cottonroot bark, bls.....lb. .40 - .45
Cottonseed hull ash, 32-36% potash, bgs., dlvd..unit-ton. No prices
Meal, 41% protein sacked, c.l. mills, S.E..ton. 75.00 -80.00
Coumarin, cns., 25 lbs.....lb. 2.75 - 3.25
smaller lots.....lb. 2.90 - 3.30
Cramp bark, NF, bls.....lb. .80 - .85
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .41½- —
bbls., kgs., smaller lots.....lb. .42 - .42½
Creosote, beechwood, bots., cbys....lb. 1.05 - 1.10
Coaltar (see Cresol).
Hardwood, N. F., bots., cbys....lb. .80 - .85
Pinewood, dms.....gal. .31 - .32
Carbonate, bots., cbys.....lb. 2.30 - 2.40
Oil, coaltar, crude, tanks, works..gal. .17½- .19½
refined, dms., c.l., works....gal. .30 - .36⅜
l.c.l., same basis.....gal. .33 - .37
tanks, same basis.....gal. .22 - .25
solution, 80%, tanks, works..gal. .16 - .18
Cresol, tech, dms., c.l., works, frt. equald..lb. .14¾- .15½
l.c.l., same basis.....lb. .15¼- .15⅝
tanks, same basis.....lb. .14 - .14⅛
USP, dms., c.l., same basis.....lb. .15 - .15½
l.c.l., same basis.....lb. .15⅝- .15⅞
tanks, same basis.....lb. .14 - .14½
Crotonaldehyde, 91-93%, dms., 55 and 110 gals., l.c.l., works..lb. .17 - —
5 and 10-gals., l.c.l., works....lb. .20½- —
Cryolite, nat., dealers, bgs., bbls., c.l., works..100 lbs. .12¾- —
bbls., l.c.l., works.....100 lbs. .14 - —
Cube root, 5% rotenone, bbls., works.lb. .55 - —
4% rotenone, bbls., works.....lb. .45 - —
Cubeb berries, XX, bgs.....lb. .75 - .80
powd., cs.....lb. 1.00 - 1.05
Culvera root bls.....lb. .45 - .50
Cumin seed, Cyprian, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .40 - .41
Moroccan, bgs.....lb. No stocks
Persian, bgs.....lb. .22½- .23
Syrian, bgs.....lb. .22½- .23
Cutch, 65% tannin, bgs., ex dock....lb. .12 - —
Cyanamide, fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk..unit ton. 2.60 - —
pulv., 21% N., bgs., same basis, unit-ton. 1.90 - —
Cyclohexane, tech., dms., c.l., works.lb. .09½- —
l.c.l., works.....lb. .10 - —
tanks, works.....lb. .08 - —
Cyclohexanol, tech., dms., c.l., works, lb. .21½- .26
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Cyclohexanone, tech., dms., c.l., works, lb. .26½- .30
l.c.l., works.....lb. .27 - .31
tanks, works.....lb. .25 - .29
Cyclopropane, USP, cyls., dlvd....gal. .27 - —

D

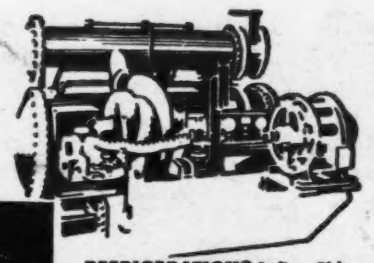
Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .70 - .75
DDT, fiber, dms., c.l., works.....lb. .37½- —
ton lots, works.....lb. .40 - —
tins, smaller lots, works.....lb. .45 - .47
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .35 - .40
Defluorinated phosphate, 65% b.p.l., paper bgs., Columbus, Ga..ton. 39.25 - —
Texarkana, Ark.....ton. 41.00 - —
Tupelo, Miss.....ton. 39.25 - —
Wales, Tenn.....ton. 39.25 - —
Rock, paper bgs., works.....ton. 34.25 - —
Degras, common, bbls.....lb. .10 - .12
neutral, less 2% ffa., bbls.....lb. .22 - .23
over 2% ffa., bbls.....lb. .21 - .22
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l..100 lbs. 8.35 - —
Chicago .....100 lbs. 7.90 - —
l.c.l. .....100 lbs. 8.50 - —
Corn, canary, bgs., c.l.....100 lbs. 8.09 - —
Chicago .....100 lbs. 7.64 - —
l.c.l. .....100 lbs. 8.24 - —
dark, bgs., c.l.....100 lbs. 8.19 - —
Chicago .....100 lbs. 7.74 - —
l.c.l. .....100 lbs. 8.34 - —
white, bgs., c.l.....100 lbs. 7.94 - —
Chicago .....100 lbs. 7.49 - —
l.c.l. .....100 lbs. 8.09 - —
Above prices are for dextrin in paper bgs.; cotton bgs., 17c. higher.
Potato, dom., bgs.....lb. .13 - .13¼
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots.....lb. 5.20 - 6.00
laboratory grade, bots....100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks.....lb. No prices
Diamylamine, dms., c.l., works....lb. 1.47 - —
l.c.l., works.....lb. 1.50 - —
Dianisidin, dms.....lb. 1.38 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast..ton. 50.00 -52.00
l.c.l., ex whse.....ton. 80.00 - —
California .....ton. 38.00 -40.00
l.c.l., ex whse.....ton. 80.00 - —
purified, bgs., c.l., Atlantic coast ton. 62.00 - —
l.c.l., ex whse.....ton. 90.00 - —
California .....ton. 50.00 - —
l.c.l., ex whse. .....ton. 90.00 - —
Algerian, bgs., c.l., Atlantic coast. . ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l. Atlantic coast.....lb. .06 - —
Dibutyl phthalate, dms., c.l.....lb. .33¼- .36
l.c.l. .....lb. .34 - .36½
tanks .....lb. .32 - .34½
Sebacate, dms., c.l., works.....lb. .82½- —
l.c.l., works.....lb. .83 - —
smaller containers, works.....lb. .84 - —
tanks, works.....lb. .81½- —
Tartrate dms. wks., frt. alld....lb. .92 - 1.02
Dibutylamine, dms., c.l., works..lb. .76 - —
l.c.l., works.....lb. .79 - —
Dichlorodiphenyldichloroethane, fib. dms., c.l., works..lb. .42¾- —
ton lots, works.....lb. .45 - —
tins, small lots, works.....lb. .48 - .50
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Diethanolamine, dms., c.l., frt. alld. E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks same basis.....lb. .22½- —
Diethyl carbonate, dms., l.c.l.....lb. .40 - —
Oxalate, dms., c.l.....lb. .35½- —
l.c.l. .....lb. .36½- —
tanks .....lb. .34 - —
Phthalate, dms., c.l., dlvd.....lb. .31½- .32¾
dms., l.c.l., dlvd.....lb. .32 - .33½
tanks, dlvd. .....lb. .30 - .31½
Sulphate dms., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works....lb. .60 - —
l.c.l., works.....lb. .71 - —
tanks, works.....lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss....lb. .75 - —
Diethylanilin, dms.....lb. .43 - —
Diethyleneglycol, dms., c.l., frt. alld. E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Diethylether, dms., works.....lb. .40 - —
Monobutylether, dms., c.l., works, lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monobutylether acetate, dms., c.l., works..lb. .28½- —
l.c.l., works.....lb. .27½- —
tanks, works.....lb. .26½- —
Monoethylether, dms., c.l., works, lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .25½- —
l.c.l., works.....lb. .26½- —
Monomethylether, dms., c.l., works, lb. .21½- —
l.c.l. .....lb. .22½- —
tanks .....lb. .20½- —
Monomethylether acetate, dms., c.l., works..lb. .21½- —
l.c.l., works.....lb. .22½- —
Diethylenetriamine, tanks, works..lb. .50 - —

Copper Acetate—Dinonylnaphthalene

Diethylstilbestrol, bots. .....kilo. 270.00 -280.00
Digitalin, cryst., bots.....gram. 19.00 -20.00
powd., bots.....gram. 1.25 - 1.75
Digitalis leaves, dms.....lb. 1.05 - 1.15
Diglycol laurate, dms.....lb. .33 - —
Oleate, light, bbls., c.l.....lb. .33 - —
Stearate, bbls., c.l. .....lb. .40 - —
Dihydroxydichlorodiphenylmethane, dms..lb. .95 - 1.00
smaller containers.....lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works....lb. .19 - —
Di-isobutylene, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
tanks, works.....lb. .05½- —
Dillseed, decorticated, bgs.....lb. .16 Nom.
dewhiskered, bgs. .....lb. .15 Nom.
Dimethyl phthalate, dms., c.l., dlvd. lb. .24¾- —
l.c.l., dlvd .....lb. .25½- —
tanks, dlvd. .....lb. .23½- —
Sulphate, ref. 85-gal. dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
ref. 10-gal. dms., works.....lb. .16½- —
Dimethylamine, anhyd., cyl., works, basis 100%..lb. .38½- .43¼
25%-40%, dms., c.l., works, basis 100%..lb. .38 - —
l.c.l., works, basis 100%.....lb. .38½- —
tanks, works, basis 100%.....lb. .33 - —
Dimethylanilin, dms., c.l.....lb. .21 - .24¼
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - .15¼
Dinitronaphtalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, oily, dms.....lb. .07 - .07¾
ref'd., dms.....lb. .18 - —
Dinonylnaphthalene, tanks, works..lb. .15 - —



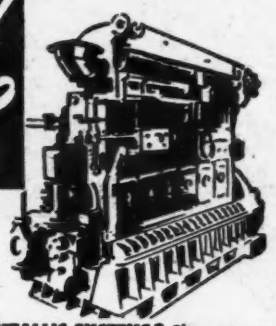
AIR CONDITIONING? Chromates are the only chemicals that completely inhibit the corrosive effect of aeration.



REFRIGERATION? Sodium Bichromate provides the most satisfactory protection in high-chloride water or brines.

WHAT'S YOUR CORROSION PROBLEM?

INTERNAL COMBUSTION ENGINES? Chromates have the most powerful inhibitive influence toward the corrosion of iron and steel in the presence of water.



BIMETALLIC SYSTEMS? Chromates are the most effective chemicals against bimetallic corrosion.

Mutual Chromium Chemicals are being used increasingly in varied industries to combat corrosion of ferrous surfaces because they have proved to be the most economical and effective chemicals in a wide range of corrosion control applications. In most instances, only small quantities are needed to prolong the life of the exposed metal indefinitely at small cost.

Progressive maintenance men now consider it just as unsound to bring steel or cast iron into contact with stagnant or recirculating water, without rendering the water rust-inhibitive, as to expose the metal to the atmosphere without protection. In fact, chemical rust inhibition is now on a practical footing with the two other major principles of corrosion prevention—protective coatings and special alloys.

Some of the more recent uses of chromate corrosion inhibitors are in mercury arc rectifiers, refinery condensers and coolers, slushing compounds and hydraulic lifts. If any of these applications suggests a possibility of using chromates in one of your operations, write to our Research Dept., stating in detail your corrosion problem.

MUTUAL CHEMICAL COMPANY OF AMERICA · 270 Madison Ave., New York 16, N.Y.

Mutual CHROMIUM CHEMICALS

SEND FOR INFORMATIVE BOOKLETS

MUTUAL CHEMICAL COMPANY OF AMERICA
270 Madison Avenue, New York 16, N. Y.
Please send me the following booklets:
☐ Chromate Corrosion Inhibitors in Bimetallic Systems
☐ Chromate Corrosion Inhibitors in Brine Systems
☐ Chromate Corrosion Inhibitors for Internal Combustion Engines
☐ Corrosion Control in the Refrigeration Industry
☐ Corrosion Control in Air Conditioning
☐ Chromate Corrosion Inhibitors in Chloride Systems

Name.....
Company.....
Address.....

Diorthotolylguanidin—Eserine Sulphate

Diorthotolylguanidin, dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld.....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dest.-dist., dms. incl., c.l., works, South..gal. .54½- —
l.c.l., same basis.....gal. .55½- —
N. Y. whse.....gal. .65 - —
tanks, works, South.....gal. .44½- —
steam-dist., dms., whse., N.Y.C...gal. .70 - —
tanks, dlvd. E.....gal. 1.65 - —
Diphenyl, bbls., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns.....lb. .50 - .61
dms.....lb. .45 - .56
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., ton lots..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi, 38% tannin, bgs., bls., c.l., U.S. ports, ex dock..ton.61.00 -62.00
Doggrass root, dom., cut, bls.....lb. .27 - .28
imp., N.F., cut, bls.....lb. .41 - .42
Dogwood, Jamaica, bark, bls.....lb. .12 - .14
Dragon's blood, drops, cs.....lb. .45 - .47
mass, cs.....lb. 1.50 - 1.55
reg'ls, cs..... No stocks
Dyes, coaltar, certified colors for foods, drugs and cosmetics, 5-lb. lots:—
Blue, FD&C, No. 1, cns.....lb.13.00 - —
Green, FD&C, No. 1, cns.....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns.....lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —

Dyes, coaltar, certified colors for foods, drugs and cosmetics, 5-lb. lots:—
Yellow, FD&C, No. 1, cns.....lb. 8.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns.....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns.....lb.12.35 - —
Green, D&C, No. 5, cns.....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 3, cns.....lb. 8.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.85 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb. 1.35 - —
Yellow, D&C, No. 7, cns.....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb.10.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 33, cns.....lb.13.35 - —
No. 37, cns.....lb.12.35 - —

Dyes, coaltar, certified colors for external use drugs and cosmetics, 1-lb. lots:—
Blue, Ext. D&C, No. 1, cns.....lb.12.35 - —
Green, Ext. D&C, No. 1, cns.....lb.12.35 - —
Red, Ext. D&C, No. 1, cns.....lb.10.35 - —
No. 3, cns.....lb.21.85 - —
No. 8, cns.....lb. 7.85 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns.....lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of the Colour Index scale).
40 Chrome yellow R.....lb. .72 - —
53 Victoria violet.....lb. 1.25 - —
105 Lake red C.....lb. .94 - —
170 Fast red A.....lb. .66 - —
180 Fast red VR.....lb. .63 - —
202 Chrome blue black U.....lb. .42½- —
204 Chrome black A.....lb. .47 - —
208 Fast acid blue R.....lb. .63 - —
216 Chrome red B.....lb. .57 - —
289 Fast cyanin 5R.....lb. .90 - 1.00
209 Chrome black F.....lb. .94 - —
304 Paper yellow.....lb. 1.06 - —
307 Fast cyanin black B.....lb. .77 - —
326 Direct fast scarlet.....lb. 2.03 - —
365 Chrysophenin G.....lb. 1.59 - —
382 Direct scarlet B.....lb. 1.16 - —
387 Direct violet B.....lb. 1.41 - —
394 Direct violet N.....lb. 1.65 - —
401 Developed black BHN.....lb. .39 - —
406 Direct blue 2B.....lb. 1.10 - —
415 Direct orange B.....lb. .60 - —
419 Direct fast red F.....lb. .97 - —
420 Direct brown M.....lb. .76 - —
448 Benzopurpurin 4B.....lb. .72 - —
465 Benzopurpurin 10B.....lb. 1.32 - —
502 Direct azurin G.....lb. 1.65 - —
512 Direct blue RD.....lb. 1.65 - —
518 Direct pure blue 6B.....lb. 2.07 - —
520 Direct pure blue.....lb. 1.32 - —
539 Direct fast black FF.....lb. 1.10 - —
581 Direct black EW.....lb. .55 - —
582 Direct black RX.....lb. .66 - —
593 Direct green B.....lb. .66 - —
594 Direct green G.....lb. .70 - —
596 Direct brown 3GO.....lb. .69 - —
620 Direct yellow R.....lb. .63 - —
698 Acid violet.....lb. .93 - —
812 Primulin.....lb. .77 - —

Dyes, coaltar, for general uses (numbers are those of the Colour Index scale).
814 Direct fast yellow.....lb. .97 - —
865 Nigrosin (water-soluble)....lb. .38 - —
1177 Indigo, 20%, paste.....lb. .20½- —
Benzo fast black L.....lb. 1.40 - —
Sulphur black.....lb. .29 - —
Sulphur blue.....lb. 1.06 - —
Zambesi black.....lb. 1.08 - —

Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; smaller lots, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives.....lb. .38 - —
Blue—
1075 Alizarin astral base.....lb. 2.48 - —
1073 Alizarin, irisol R.....lb. 3.96 - —
Brown—
Brown, oil-soluble.....lb. 1.38 - —
Green—
1078 Alizarin cyanin green base..lb. 2.20 - —
Orange—
24 Sudan I.....lb. .61 - —
Red—
258 Sudan IV.....lb. 1.10 - —
680 Oil violet.....lb. .88 - —
749 Rhodamine B (oil pink).....lb. 5.28 - —
1080 Anthraquinone, violet base lb. 5.50 - —
Yellow—
15 Amidoazobenzene yellow...lb. .90 - —
17 Amidoazotoluene yellow...lb. .77 - —
61 Yellow, OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices E. in barrels of 250 lbs. each; smaller lots, 3c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin.....lb. .40 - —
Blue—
860 Indulin.....lb. .68 - .70
Brown—
331 Bismarck brown.....lb. .83 - —
Green—
657 Malachite green base.....lb. 1.43 - —
Orange—
20 Chrysoidin G.....lb. .42 - —
Red—
627 Fuchsin, magenta, base...lb. 2.31 - —
749 Rhodamine B.....lb. 5.28 - —
Yellow—
67 Amidoazotoluene yellow...lb. .77 - —
655 Auramine.....lb. 2.20 - —
800 Chinolin yellow SS.....lb. 2.00 - —
Violet—
680 Methyl violet base.....lb. .88 - —

Dyes, coaltar, for stains, water-soluble prices in barrels of 250 lbs. each; smaller lots, 3c. per lb. higher, sellers' works or warehouse).
Black—
216 Naphthol blue black S.....lb .53 - —
873 Methylene gray.....lb. 1.50 - —
Blue—
714 Patent blue A.....lb. 2.48 - —
729 Victoria blue B.....lb. 2.53 - —
861 Indulin.....lb. .99 - —
909 New blue F.....lb. 1.13 - —
922 Methylene blue.....lb. 1.49 - —
1054 Alizarin saphirol B.....lb. 1.98 - —
1189 Indigotin 1A.....lb. .94 - —
Brown—
234 Resorcin brown Y.....lb. .99 - —
235 Resorcin dark brown R....lb. .65 - —
331 Bismarck brown G.....lb. .83 - —
332 Bismarck brown R.....lb. .53 - —
798 Phosphin.....lb. 1.85 - —
Green—
5 Naphthol green B.....lb. 1.07 - —
657 Malachite green.....lb. 1.43 - —
662 Brilliant green.....lb. 2.09 - —
666 Guinea green B.....lb. 2.14 - —
737 Wool green S.....lb. 1.62 - —
824 Methylene green B.....lb. 1.35 - —
1078 Alizarin cyanin green.....lb. 2.20 - —
Orange—
20 Chrysoidin G.....lb. .42 - —
21 Chrysoidin R.....lb. .39 - —
27 Orange G.....lb. .53 - —
151 Orange Y.....lb. .31 - —
161 Orange R.....lb. .38 - —
Red—
31 Amidonaphthol red G.....lb. .66 - —
57 Amidonaphthol red 6B.....lb. .90 - —
79 Ponceau R.....lb. .51 - —
88 Fast red B.....lb. .53 - —
176 Fast red A.....lb. .66 - —
179 Azorubin.....lb. .70 - —
181 Crocein scarlet 3BX.....lb. .72 - .75
185 Cochineal red A.....lb. .99 - —
257 Brilliant crocein M.....lb. .99 - —
677 Fuchsin.....lb. 2.31 - —
749 Rhodamine B.....lb. 5.28 - —
752 Rhodamine 6B.....lb. 4.55 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin.....lb. 1.97 - —
Violet—
680 Methyl violet B.....lb. .88 - —
681 Crystal violet B.....lb. 1.91 - —
695 Acid violet 4BN.....lb. .93 - —
Yellow—
10 Naphthol yellow S.....lb. .95 - —
138 Metanil yellow.....lb. .92 - —
636 Fast light yellow.....lb. 1.59 - —
639 Xylene light yellow.....lb. 1.32 - —
640 Tartrazin.....lb. .99 - —
655 Auramine.....lb. 2.20 - —
Dyes, natural (see name of material).

E

Echinacea root, bls.....lb. .65 - .70
Egg albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.20 - 1.25
imported, bbls.....lb. No stocks
Elder flowers, bright, bls.....lb. .65 - .66
Elecampane root, bls.....lb. .35 - .40
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .45 - .50
select, bndls.....lb. .55 - .56
Emetine hydrochloride, bots.....oz.53.50 -54.00
Ephedra herb, bls.....lb. .20 - .21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs..oz. .84 - —
hydrous, bots., 100 ozs.....oz. .76 - —
Hydrochloride, tin, 100 ozs....oz. .60 - —
Sulphate, cryst., tins, 100 ozs..oz. .57 - —
powd., tins, 100 ozs..?.....oz. .58 - —
Epichlorohydrin, dms., c.l., works, lb. .46 - —
l.c.l., works.....lb. .46½- —
tanks, works.....lb. .44½- —
Epinephrine, synth., USP, bots..gram. .70 - .95
Epsom salt, tech., cryst., bgs., c.l., 100 lbs. 2.05 - —
l.c.l. .....100 lbs. 2.40 - 2.65
USP, cryst., bgs., c.l.....100 lbs. 2.25 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 2.50 - —
smaller lots.....100 lbs. 2.75 - —
bbls., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 2.60 - —
smaller lots .....100 lbs. 2.85 - —
kgs., c.l.....100 lbs. 2.60 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 2.85 - —
smaller lots.....100 lbs. 3.10 - —
Epsom salt prices freight equalized: Baltimore, Cartgret, N. J., Chicago, Cincinnati, Cleveland, Midland, Mich.
Ergot, USP, cns.....lb. 1.25 - 1.30
Eserine, bots.....oz. No prices
Sulphate, bots.....oz.65.00 - —

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Sulfamerazine U.S.P.
Sodium Sulfamerazine U.S.P.
Sulfanilamide U.S.P.
(powder, crystal and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine N.F.
Sodium Sulfapyridine
Aminoacetic Acid N. F.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Neocinchophen U.S.P.
Mandelic Acid N.F.
Calcium Mandelate U.S.P.
Menadione U.S.P.
Methylene Blue U.S.P.
(powder or crystals)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Saligenin
Thiouracil
Phenothiazine N.F.
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Ether, acetic (see Ethyl acetate).
Amyl, dms., c.l., works..lb. .095 - —
l.c.l., works..lb. .102 - —
tanks, works..lb. .085 - —
Butyl, dms., l.c.l., dlvd..lb. .30 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works, frt. equald..lb. .13½- —
l.c.l., same basis..lb. .14 - —
tanks, same basis..lb. .12½- —
Ethyl (see Ether, sulphuric).
Isopropyl, dms., c.l., dlvd..lb. .06 - —
l.c.l., dlvd..lb. .06½- —
tanks, dlvd..lb. .04½- —
Nitrous, conc., bots., 100 lbs..lb. .98 - 1.10
Sulphuric, conc., dms..lb. .18 - .23
USP, anethesia, hospital, cns..lb. .61 - .75
synthetic, dms., c.l., frt. alld..lb. .18 - —
l.c.l., same basis..lb. .19 - —
tanks, same basis..lb. .16 - —
Ethyl acetate, natural, fermentation, 85-88% dms., c.l., frt. alld..lb. .17½- —
l.c.l., frt. alld..lb. .18½- —
tanks, frt. alld..lb. .16 - —
95-98%, dms., c.l., frt. alld..lb. .18 - —
l.c.l., frt. alld..lb. .19 - —
tanks, frt. alld..lb. .16½- —
99%, dms., c.l., frt. alld..lb. .18½- —
l.c.l., frt. alld..lb. .19¼- —
tanks, frt. alld..lb. .16¾- —
USP, dms..lb. .27 - —
synthetic, 85-90%, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld..lb. .11 - —
tanks, frt. alld..lb. .09½- —
95-98%, dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld..lb. .11½- —
tanks, frt. alld..lb. .10 - —
Acetoacetate, dms., c.l., works..lb. .50½- —
l.c.l., frt. alld..lb. .51½- —
Benzoate, bots..lb. .60½- .66
Betaethoxypropionate, dms., works, lb. .70 - —
Bromide, tech., 98%, dms..lb. .36 - .40
Butyrate, bots..gal. 5.50 - —
cns., works..lb. .65 - .70
dms., works..lb. .60 - —
Carbamate, dms., dlvd. E..lb. .58 - —
Chloride, tech., tanks..lb. .13½- —
USP, bbls., cyl..lb. .20 - .22
Cinnamate, cns..lb. 2.75 - 3.25
Formate, dms., Agnue, Calif..lb. .28 - .32
Iodide, bots..lb. 3.50 - 3.60
Lactate, dms., works..lb. .38½- —
Methacrylate, M-2, dms., works..lb. .60 - —
cns., works..lb. .63 - .67
P-2, cns., works..lb. .65 - —
Myristate, dms., works..lb. No prices.
Oenanthate, dms..lb. 2.60 - 3.25
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld..lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., works, lb. .50 - —
Ethylcellulose fib. dms., 5,000 lbs., works..lb. .52 - —
smaller lots, works..lb. .54 - .62
Ethyldiethanolamine, dms., l.c.l., works lb. .80 - —
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies..lb. .08 - —
West of Rockies..lb. .08½- —
l.c.l., works, frt. alld. E. of Rockies..lb. .09 - —
West of Rockies..lb. .09½- —
tanks, frt. alld. E. Rockies..lb. .07 - —
West of Rockies..lb. .07½- —
Trichloride (see Trichloroethane).
Ethylenediamine, tanks works..lb. .50 - —
Ethyleneglycol, dms., c.l., frt. alld. E..lb. .12 - —
l.c.l., same basis..lb. .13 - —
tanks, same basis..lb. .11 - —
Monobutylether, dms., c.l., works..lb. .20 - —
l.c.l., works..lb. .21 - —
tanks, works..lb. .19 - —
Monoethylether, dms., c.l., works..lb. .16½- —
l.c.l., works..lb. .17½- —
tanks, works..lb. .15½- —
Monoethylether acetate, dms., c.l., works..lb. .14½- —
l.c.l., works..lb. .15½- —
tanks, works..lb. .12½- —
Monomethylether, dms., c.l., works..lb. .17½- —
l.c.l., works..lb. .18½- —
tanks, works..lb. .16½- —
Monomethylether acetate, dms., c.l., works..lb. .22 - —
l.c.l., works..lb. .24 - —
tanks..lb. .22 - —
Ethylethanolamine, dms., c.l., works..lb. .57 - —
l.c.l., works..lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz. 10.50 -10.75
Ethylvanillin, cns., 5 lbs. or more..lb. 6.75 - —
smaller lots..lb. 6.80 - 6.90
Eucalyptol, cns., dms..lb. 2.65 - 3.25
Eucalyptus leaves, bls..lb. .14 - .15
Eugenol, prime, USP XII..lb. 2.40 - 3.25
Euphorbia herb, bls..lb. .18 - .19

F

Feldspar, enamel, 100 mesh, bgs, works. ton. 17.00 -20.50
bulk, c.l., works..ton. 14.00 -17.50
glass, 20 mesh, bgs., 2 tons, works. ton. 12.75 -16.25
bulk, c.l..ton. 9.75 -12.25
pottery, bgs., l.c.l., 2 tons, works. ton. 20.00 -22.00
bulk, c.l., works..ton. 17.00 -19.00
Fennel seed, Argentine, bgs., futures. lb. .07¼- .07⅝
Indian, bgs., afloat..lb. .15½- .16
Fenugreek, domestic, bgs..lb. .09 - .09½
Indian, bgs..lb. .09 - .09½
Moroccan, bgs..lb. .11½ Nom.
futures, bgs..lb. .10½- .11
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works..lb. .14½- —
water-white, cs., works..lb. .15½- —
Fir balsam, Canada, cns..gal. 22.50 -23.00
Oregon, bbls..gal. 2.35 - 2.65
Fishberries, bgs..lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal, grd., 60% protein, bgs., Balto. area..ton. 125.00 - —
65% protein, bgs., Balto. area..ton. 135.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area..ton. 110.00 -120.00
Fleaseed, black, bgs..lb. .45 - .46
blonde, bgs..lb. .26 - .27
Husks, bgs..lb. .66 - .67
Fluorspar, No. 1, ground 95-99% CaF_2, bulk, c.l., mines..net ton. 37.00 - —
washed gravel, 70% or more CaF_2, bulk c.l., mines..ton. 33.00 - —
65%, bulk, c.l., mines..ton. 32.00 - —
60%, bulk, c.l., mines..ton. 31.00 - —
less than 60%, bulk, c.l., mines.. ton. 30.00 - —
Formaldehyde, bbls., c.l., works..lb. .0645- .0695
l.c.l., works..lb. .0695- .0745
dms., extra, c.l., works..lb. .0545- .0595
l.c.l., works..lb. .0595- .0645
tanks, works..lb. .0370- .0420
tanktrucks, dlvd. N.Y.C..lb. .0395- .0445
Fringetree bark, bls..lb. .65 - .80
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 30.00 - —
Tex. mines..ton. 27.00 - —
spent, bulk, Bayonne..ton. 4.00 - 4.00
imp., bgs., c.l..ton. 30.00 -40.00

Furfural, tech., dms., c.l., works..lb. .13 - —
dms., cns., l.c.l., works..lb. .15½- .20½
tanks, works..lb. .09½- —
Fusel oil, dms., c.l..lb. .26½- —
l.c.l..lb. .27½- —
tanks..lb. .25 - —
Fustic extract, cryst., No 1, bbls., l.c.l..lb. .41 - —
N. 1A, bbls., l.c.l..lb. .40 - —
No. 2, bbls., l.c.l..lb. .39 - —
No. 3, bbls., l.c.l..lb. .37 - —
liquid, No. 0, bbls., l.c.l..lb. .21½- —
No. 1, bbls., l.c.l..lb. .20 - —
No. 2, bbls., l.c.l..lb. .19 - —
No. 3, bbls., l.c.l..lb. .16½- —
solid, No. 1, bxs, l.c.l..lb. .27 - —

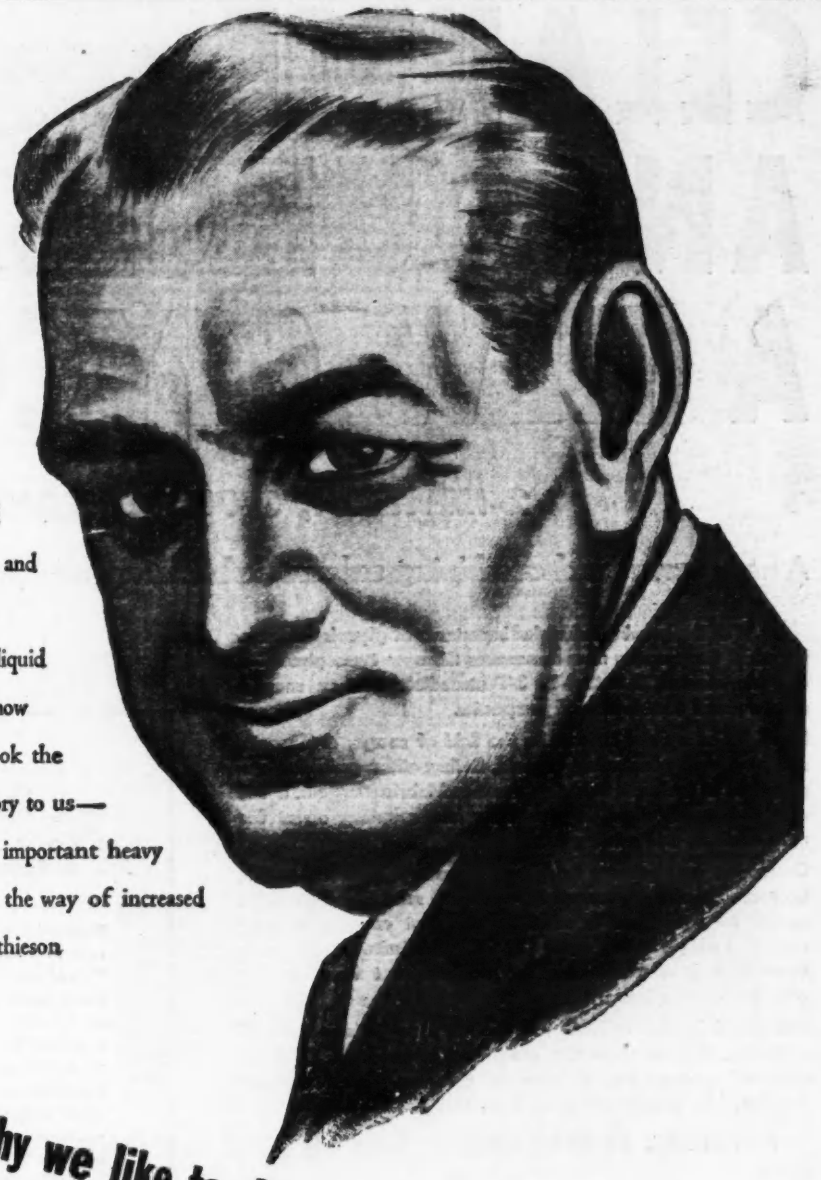
G

G salt, bbls..lb. .50 - —
Galangal root, bls..lb. .25 - .26
Gambier, plantation, bgs., ex dock..lb. .21 - .23
Extract, bbls..lb. No stocks.
Gammapicoline, 95%, dms., c.l., works. lb. 1.35 - —
Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks..gal. .0825- —
Bayonne, 74 octane, tanks..gal. .09 - —
Gulf coast, 73-75 octane, tanks. gal. .0825- .085
Group 3, 73-75 octane, tanks..gal. .0825- .0913
Pennsylvania, western, U. S., motor, 74 octane leaded, tanks. gal. .0925-.0987½
natural, 26-70 octane group 3, tanks..gal. .0588- —

Gelatin, silver label, ctns., dlvd..lb. 1.25 - —
export, cs..lb. 1.35 - —
Gelatin prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash, Wyo.
Gelsemium root, bls..lb. .35 - .40
Gentian root, bls..lb. .20 - .21
grd., bbls., bxs..lb. .26 - .27
powd., bbls., bxs..lb. .24 - .25
Geraniol, 92-96%, cns., dms..lb. 3.40 - —
prime..lb. 2.85 - —
Geranyl acetate, cns..lb. 3.35 - —
Ginger, oleoresin, bots..lb. 4.25 - 4.75
Root, African, No. 1, bls..lb. .12½- .13
Cochin, bleached, bgs..lb. .16 - .16½
unbleached, bgs..lb. .15 - .15½
Jamaica, No. 1, bgs..lb. .18 - .18½
No. 2, bgs..lb. .15 - .15½
No. 3, bgs..lb. .14½- .15
Rhatioon, bgs..lb. .13½ Nom.
Glauber's salt, anhyd. (see Soda sulphate)
cryst., bgs., works..100 lbs. 1.25 - 1.75
l.c.l., bgs., works..100 lbs. 1.65 - 2.10
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest..lb. .21 - .24
30/56, bgs., c.l., same basis..lb. .22 - .26
58/82, bgs., c.l., same basis..lb. .23 - .26
82/108, bgs., c.l., same basis..lb. .25 - .27
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .20 - .24½
122-149 bgs., c.l., dlvd..lb. .21 - .25½
150-177, bgs., c.l., dlvd..lb. .22 - .26½
178-206, bgs., c.l., dlvd..lb. .23 - .27½
207-236, bgs., c.l., dlvd..lb. .24 - .28½

Ether, Acetic—Gold-Sodium Chloride

Glue, hide, 237-266, bgs., c.l., dlvd..lb. .25 - .29½
267-298, bgs., c.l., dlvd..lb. .26 - .30½
299-330, bgs., c.l., dlvd..lb. .27 - .31½
331-362, bgs., c.l., dlvd..lb. .28 - .32½
363-394, bgs., c.l., dlvd..lb. .29 - .33½
395-427, bgs., c.l., dlvd..lb. .30 - .34½
428-460, bgs., c.l., dlvd..lb. .31 - .35½
461-494, bgs., c.l., dlvd..lb. .32 - .36½
495-529, bgs., c.l., dlvd..lb. .33 - .37½
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. more than bgs.
Glycerin, crude, saponification, 88%, to refiners tanks, dlvd..lb. .23 - .24
soaplye, 80%, tanks, dlvd..lb. .22 - .23
dynamite, tms., c.l., dlvd..lb. .29½- —
l.c.l., dlvd..lb. .30 - —
tanks, dlvd..lb. .29¼- —
high gravity, tms., c.l..lb. .29½- —
l.c.l..lb. .30 - —
tanks..lb. .27¼- —
refined, BP, 98%, dms., c.l..lb. .29¾- —
tanks..lb. .29½- —
USP, 95%, dms., c.l..lb. .29½- —
l.c.l..lb. .30 - —
tanks..lb. .29¼- —
yellow, distilled, dms., c.l..lb. .29%- —
l.c.l..lb. .29%- —
Glycine, USP (see Acid, aminoacetic).
Glycol boriborate, dms..lb. .22 - —
Stearate, dms..lb. .26 - —
Gold chloride, acid-brown, bots..oz. 20.00 -20.50
acid-yellow, bots..oz. 18.75 -19.00
Gold of pleasure seed, bgs., futures..lb. .29 - .30
Goldenseal root, bls..lb. 8.25 - 8.35
powd., bxs..lb. 8.60 - 8.75
Gold-sodium chloride, photo, bots..oz. 13.00 -13.50
USP IX, bots..oz. 14.00 -14.50



"In my business, we could use more caustic soda, soda ash and sodium bicarbonate than we're getting . . . and that goes for liquid chlorine, too. But at least we know where we stand. Mathieson took the trouble to explain the whole story to us—why there's a shortage of these important heavy chemicals . . . what to expect in the way of increased supplies in 1947 and 1948. Mathieson always works with us . . .

. . . and that's why we like to do business with Mathieson!" *

**The foregoing is based on reactions to our advertisement—"Why you can't buy all the Caustic Soda, Soda Ash, Sodium Bicarbonate and Chlorine you want"—which appeared in many publications earlier this year.*

The Mathieson Alkali Works (Inc.), 60 East 42nd Street, New York 17, N. Y.

Mathieson
CHEMICALS

Caustic Soda . . . Soda Ash . . . Sodium Bicarbonate . . . Liquid Chlorine . . . Chlorine Dioxide . . . Ammonia, Anhydrous & Aqua . . . HTH Products . . . Fused Alkali Products . . . Dry Ice . . . Carbonic Gas . . . Sodium Chlorite Products . . . Sodium Methylate

Grains of Paradise—Hyoscyamine Sulphate

Grains of paradise, bgs.....lb. .27½- .28
Graphite, dom., cryst., 80% through 50 mesh, graphitic carbon content
65-70%, bgs., ex whse.....lb. .04½- —
70-75%, bgs., ex whse.....lb. .05 - —
75-80%, ex whse. .....lb. .05½- —
80-85% bgs., ex whse. .....lb. .06 - —
85-90%, bgs., ex whse.....lb. .07 - —
90% and up, ex whse.....lb. .08 - —
imported, amorph., powd., bgs., dlvd..lb. .04 - .06
crystalline, 88-90%, powd., bgs., ex whse..lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex whse....lb. .22 - .25
flake, No. 1, 90-95%, crtns, bgs., ex whse..lb. .21 - .22
No. 2, bgs., ex whse.....lb. .22 - .24
Grease, house, loose.....lb. .10¼- —
White, choice, loose.....lb. .11⅝- .12
Wool (see Degras and Lanolin).
Yellow, loose.....lb. .10½- —
Green, brilliant, thioflavin toner, molybdic, kgs., works..lb. 4.25 - —
Tungstic, kgs., works.....lb. 4.25 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.....lb. .32 - —
6-10%, bbls., same basis..lb. .33 - —
11-15%, bbls., same basis..lb. .34 - —
16-20%, bbls., same basis..lb. .34½- —
21-25%, bbls., same basis..lb. .35½- —
26-30%, bbls., same basis..lb. .35⅝- —
31-35%, bbls., same basis..lb. .35½- —
Green, chrome, C.P., 36-40%, bbls., same basis..lb. .38½- —
41-45%, bbls., same basis..lb. .40 - —
46-50%, bbls., same basis..lb. .41⅝- —
50% and over, bbls., same basis..lb. .42⅝- —
reduced color, 5%, bbls., same basis..lb. .10 - —
6-10%, bbls., same basis..lb. .10⅝- —
11-13%, bbls., same basis..lb. .11¼- —
14-16%, bbls., same basis..lb. .12 - —
17-19%, bbls., same basis..lb. .12¼- —
20-21%, bbls., same basis..lb. .12½- —
22-23%, bbls., same basis..lb. .12⅝- —
24-25%, bbls., same basis..lb. .13 - —
26-27%, bbls., same basis..lb. .13¼- —
28-29%, bbls., same basis..lb. .14 - —
30-31%, bbls., same basis..lb. .15 - —
32-33%, bbls., same basis..lb. .16¼- —
34-35%, bbls., same basis..lb. .17⅛- —
36-40%, bbls., same basis..lb. .20 - —
41-45%, bbls., same basis..lb. .22½- —
46-50%, bbls., same basis..lb. .23⅝- —
51-55%, bbls., same basis..lb. .23½- —
56-60%, bbls., same basis..lb. .24 - —
61-65%, bbls., same basis..lb. .25 - —
66-70%, bbls., same basis..lb. .26¼- —

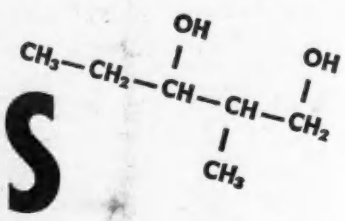
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Chrome oxide, hydrated, bbls., works..lb. .35 - —
pure, bgs., works.....lb. .30 - .33
Green, malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
Tungstic, bbls., works.....lb. 3.40 - —
Phthalocyanin toner, bbls., works, lb. 4.40 - 5.00
Paris, (see P).
Tungstated, brilliant, kgs.....lb. 3.00 - 4.00
Emerald, kgs.....lb. 3.00 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta herb, bls.....lb. .30 - .38
Guaiac resin, cs.....lb. .43 - .49
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., NF, tins.....lb. 1.75 - —
liquid, NF, bots., cbys.....lb. 1.80 - —
Carbonate, dms.....lb. 2.85 - —
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum, accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .96
Arabic, amber, sorts, bgs.....lb. .14 - .14⅛
white, sorts, 1, bgs.....lb. .28 - .29
Asafetida (see A).
Asphalthum (see A).
Batu, bold, cs.....lb. No prices
nubs, chips, bgs.....lb. No prices
Benzoin, Sumatra, cs.....lb. .35 - .00
Camphor (see C).
Copal, Congo, bgs.....lb. No prices
East India, bgs.....lb. No prices
Manila, baskets.....lb. No prices
Dammar, Batavia, AE, cs.....lb. No prices
F, cs.....lb. No prices
Singapore, No. 1, cs.....lb. No prices
No. 2, cs.....lb. No prices
Elemi, cs.....lb. No prices
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.....lb. .16¾- —
Gum, ester, wood-rosin type, dms., any quantity, dlvd. Ill., Ind., etc..lb. .16¾- —
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. .85 - .90
Gamboge, pipe, cs.....lb. 2.25 - 2.30
powd., bbls.....lb. 2.50 - 2.60
Ghatti, No. 2, bgs.....lb. .35 - .37
No. 3, bgs.....lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, No. 1.....lb. .46 - .51
No. 2.....lb. .38 - .43
No. 3.....lb. .33 - .36
No. 4.....lb. .28 - .31
No. 5.....lb. .23 - .27
No. 6.....lb. .20 - .22
Kauri, bgs.....lb. .31 - —
Locust bean, powd., bbls.....lb. .45 - —
Mastic, cs.....lb. No prices
Myrrh, cs.....lb. .45 - .46
Olibenum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .27 - .45
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks.....lb. No prices
Scammony, cs.....lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.75 - 3.80
No. 2, cs.....lb. 3.00 - 3.10
No. 3, cs.....lb. 2.00 - 2.10
Yacca, bgs.....lb. No prices
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald... ton.22.65 - —
Harlem river, N. Y., frt. equald. ton.28.25 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald. ton.30.65 - —
Southard, Okla., frt. equald.ton.17.00 - —
Sweetwater, Tex., frt. equald... ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald. ton.10.50 - —
Harlem river, N. Y., frt. equald. ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald. ton.13.00 - —
Southard, Okla., frt. equald.ton.12.50 - —
Sweetwater, Tex., frt. equald... ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; frt. equald..ton. 8.00 - —
Akron, N. Y., frt. equald...ton. 8.00 - —
Blue Rapids, Kans., frt. equald. ton. 8.00 —
Clarence Center, N. Y., frt. equald..ton. 8.00 - —
Fort Dodge, Iowa, frt. equald. ton. 8.00 —
Grand Rapids, Mich., frt. equald..ton. 8.00 - —
Gypsum, Ohio, frt. equald.ton. 8.00 - —
Harlem river, N. Y., frt. equald. ton. 8.00 —
National City, Mich., frt. equald..ton. 8.00 - —
New Brighton, N. Y., frt. equald..ton. 8.00 - —
Plasterco, Ga., frt. equald.ton. 8.00 - —
Portsmouth, N. H., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald..ton. 9.00 - —
Southard, Okla., frt. equald.ton. 8.00 - —
Sweetwater, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald...ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y.; works..ton.22.50 - —
New Brighton, N. Y., works... ton.21.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .58
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls.....lb. .70 - .71
Helonias root, bls.....lb. 2.20 - 2.25
Hematine extract, cryst., No. 0, bbls., l.c.l...lb. .44 - —
No. 1, bbls., l.c.l.....lb. .43 - —
No. 1A, bbls., l.c.l.....lb. .40 - —
No. 2, bbls., l.c.l.....lb. .39 - —
No. 3, bbls., l.c.l.....lb. .37 - —
No. 4, bbls., l.c.l.....lb. .35 - —
No. 5, bbls., l.c.l.....lb. .33 - —
paste, No. 1, bbls., l.c.l.....lb. .18½- —
No. 2, bbls., l.c.l.....lb. .17½- —
No. 3, bbls., l.c.l.....lb. .16½- —
No. 4, (red), bbls., l.c.l.....lb. .12 - —
Hemlock bark extract, 25% tannin, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .28
powd., bbls., bxs.....lb. .34 - .36
Heptane, industrial, 90°-100° C., dms., c.l., group 3..gal. .13½- .16
l.c.l., group 3.....gal. .19 - .35
tanks, group 3.....gal. .10¼- .10⅝
77°-115° C., dms., c.l., group 3..gal. .13½- .17
l.c.l., group 3.....gal. .19 - .35
tanks, group 3.....gal. .10¼- .11¼
laboratory, dms., c.l., group 3..gal. .16 - —
l.c.l., group 3.....gal. .29 - .55
Hexalin (see Cyclohexanol).
Hexaethyl tetraphosphate, cns., works, lb. 1.25 - —
dms., c.l., works.....lb. .80 - —
l.c.l., works.....lb. .90 - 1.00
Hexamethylene-tetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis.....lb. .25 - —
USP, dms., 500 lbs or more, same basis..lb. .35 - —
smaller lots, same basis.....lb. .36 - —
Hexane, industrial, 60°-70° C., dms., c.l., group 3..gal. .14¼- .17
l.c.l., group 3.....gal. .19 - .35
tanks, group 3.....gal. .10⅝- .11¼
laboratory, dms., c.l., group 3....gal. .16 - —
l.c.l., group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l, works.lb. .25 - —
Homatropine hydrobromide, bots...oz.15.00 -25.00
Hydrochloride, bots.....oz.20.00 -22.00
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago..unit-ton. 7.00 - —
Hops, NF, bls.....lb. .55 - 1.30
Horehound, bls.....lb. .12 - .13
Hydrangea, root, bls.....lb. .22 - .25
Hydrastine, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-grain bots.....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide dms., fib. cns., works, lb. .30 - .40
Hydrogen peroxide, USP, bbls.....lb. .03¾- .04
100 vols., cbys., E. of Miss. or West coast via Panama Canal..lb. .15½- .18½
Hydroquinine, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 6.75 -21.00
dms., extra, ret'able, dlvd.....lb.12.50 -14.00
Hyoscine hydrobromide, bots.....oz.39.00 -45.00
Hyoscyamine, bots.....oz.18.00 -20.00
Hydrobromide; bots.....oz.18.00 -19.50
Sulphate, bots.....oz.14.00 -19.50

CELANESE ANNOUNCES A NEW GLYCOL



2-METHYL-I, 3-PENTANEDIOL

A new compound combining solvent, lubricating and penetrating properties

With the growing industrial importance of glycols Celanese Chemical Corporation now announces this new type glycol—a dihydric alcohol, 2-Methyl-I, 3-Pentanediol, with an unusual structure and combination of properties.

It will be of special interest in the field of soaps, detergents, softening and penetrating agents, finding other potential applications in hydraulic fluids, greases and lubricating oils. It will also find applications as plasticizer and coupling agent for resin solutions and printing inks.

Containing one primary and one secondary hydroxy group, Celanese* Methyl-Pentanediol has unusual solubility for a wide variety of resins and is miscible with most common organic solvents. Its high boiling point (215°C.) plus limited solubility in water give it a combination of properties not found in any other glycol now in use.

This glycol is now offered for the first time in experimental quantities. Call or write for additional information. Celanese Chemical Corporation, division of Celanese Corporation of America, 180 Madison Avenue, New York 16, N. Y.

PHYSICAL PROPERTIES

COLOR	Water White
ODOR	Slight
SPECIFIC GRAVITY 20°/4° C.	.9692
REFRACTIVE INDEX $n_D^{20°C}$	1.4492
POUR POINT, °C	minus 4
FLASH POINT, °F. approx.	230
BOILING POINT, °C	215
SOLUBILITY IN WATER @ 20° C	10 cc in 100 cc
WATER SOLUBILITY IN @ 20° C	250 cc in 100 cc

METHYLAL

A Celanese Chemical*

Methylal (dimethoxy-methane) is now available in commercial quantities from Celanese. This chemical promises to be of great value to those industries requiring a low boiling liquid of extremely high solvent power. As a chemical intermediate in organic synthesis it can be used to provide a controlled source of anhydrous formaldehyde and menthanol by hydrolysis under acid conditions. It has relatively high water solubility and is readily salted out of solution. Call on Celanese for technical assistance and information regarding the applications of Methylal in your field.

Celanese Chemicals*

*Reg. U. S. Pat. Off.

ALDEHYDES • ALCOHOLS • ACIDS • SOLVENTS • INTERMEDIATES • PLASTICIZERS • KETONES

Hypernic extract, cryst. No. 1, bbls., l.c.l...lb. .51 - —
No. 2, bbls., l.c.l.....lb. .43 - —
liquid, No. 1, bbls., l.c.l.....lb. .28 - —
No. 2, bbls., l.c.l.....lb. .23 - —
solid, No. 1, bxs., l.c.l.....lb. .40 - —
Hyssop herb, bgs.....lb. .55 - .60
Leaves, bgs.....lb. .60 - .70

I

Iceland moss, bgs.....lb. .50 - .52
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 19.00 -22.00
Inositol, tins, works.....lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse., Staten Island..lb. 1.729 - —
resubl., bots., jars.....lb. 2.35 - 2.65
Iodoform, dms., kgs.....lb. 4.45 - —
Ionone ketone, alpha, cns.....lb. 12.50 -16.40
beta, cns.....lb. 11.50 -12.50
pure, cns.....lb. 5.85 - 7.95
Methyl (see M).
IPC, bots., 1-5 lbs.....2.68 - 2.72
fib. dms., 100 lbs., ship. point.....lb. 2.30 - 2.50
50 lbs., ship. point.....lb. 2.40 - 2.52
10-25 lbs., ship. point.....lb. 2.50 - 2.54
Ipecac root, bgs.....lb. 5.20 - 5.25
powd., bgs.....lb. 5.45 - 5.50
Irish moss, bleached, prime, bls...lb. .24 - .39
Iron acetate, liquor, 28°, bbls., c.l., works..lb. .09 - —
l.c.l., works.....lb. .09¾- —
solut., USP IX, cbys.....lb. .17 - —
djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld. 100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .07 - .08½
solut., 42 Be, cbys., works, frt. alld. or equald..lb. .05½- .06
djns., same basis.....lb. .10 - —
Citrate, gran., dms.....lb. .77 - .79
Glycerophosphate, N.F., powd....lb. 4.35 - —
Hypophosphite, bbls., dms.....lb. 1.50 - 1.52
Iodide, bots.....lb. 3.48 - 3.63
Naphthenate, 6% Fe, dms.....lb. .19½- —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .33 - .35
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Phosphate, soluble, NF, gran., cs..lb. .54 - .57
Pyrophosphate, soluble, NF VII, gran., dms..lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4%, Fe, dms.....lb. .22 - —
Stearate, dms., c.l.....lb. .46 - —
ton lots.....lb. .43 - —
less ton lots.....lb. .44 - —
Sulphate (ferric), anhyd., bgs., c.l., works..ton. 35.00 - —
l.c.l., works.....ton. 40.00 - —
partially hydrated, bgs., c.l., works..ton. 36.50 - —
(ferrous), tech. (see Copperas), USP, cryst., bbls., dms.....lb. .06 - .08
Iron-ammonium citrate, brown, green, gran., dms..lb. .45 - .48
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½
Iron-sodium oxalate, bbls., dms.....lb. .25½- .26½
Isobutyl acetate, cns.....lb. 1.00 - 1.10
Isobornyl thiocyanoacetate, dms., c.l., works..gal. 4.35 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works.....gal. 4.23 - —
Isobutyl acetate, cns.....lb. .97 - 1.10
Methacrylate, M-5, dms., works..lb. .60 - —
cns., works.....lb. .63 - .67
P-5, cns., works.....lb. .60 - —
Propionate cns.....lb. No prices.
Isobutyraldehyde, dms., works.....lb. .33 - .36
Isoeugenol, extra, cns.....lb. 3.30 - 4.00
cbys., extra.....lb. 3.25 - —
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld., E. of Rockies..lb. .1160- .1210
l.c.l., same basis.....lb. .1210- .1260
tanks, same basis.....lb. .1100- .1160
Alcohol (see Alcohol, isopropyl).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., works.....lb. .25 - —

J

Jaborandi leaves, bls.....lb. .24 - .25
Jalap root, NF, bls.....lb. .42 - .45
powd., bbls., bxs.....lb. .50 - .55
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .12 - .20
Tar, USP, dms.....lb. .68 - 1.00

K

Kamala, powd., cns.....lb. .46 - .48
Kaolin (see China clay).
Kava kava root, bls.....lb. .35 - .40
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. .07125- —
Bayonne, 41-43, w.w., tanks....gal. .082 - —
California, 40-43, w.w., tanks..gal. .0830- .1005
Gulf ports, 41-43, w.w., tanks..gal. .0650- .0713
Okla.-Tex., 41-43, w.w., tanks..gal. .0700- .0738
Penn., 45 w.w., tanks.....gal. .0850- .0900
47 w.w., tanks.....gal. .0900- .0950
Kola nuts, bgs.....lb. .08 - .09
Kyanite, imp., low iron content, 10-mesh, whse..ton. 85.00 -95.00
calcined, grain, 10-mesh, whse..ton. 95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.35 - 1.40
Lanolin, anhyd., cosmetic, dms., works. lb. .27 - —
USP, dms., works.....lb. .25 - —
hydrous, cosmetic, dms., works....lb. .25½- —
USP, dms., works.....lb. .23½- —
Lard, cash, trcs., Chicago.....lb. .17 - .17½
Larkspur seed, bgs.....lb. .55 - .57
Laurel berries, bls.....lb. .25 - .26
Leaves, Algerian, bls.....lb. .13 - .13½
Cyprian, bls.....lb. .28 Nom.
Greek, bls.....lb. .11½- .12
Portuguese, choice, bls.....lb. .10½- .11
ordinary, bls.....lb. .10 - .10½
Turkish, choice, bls.....lb. .17 - .17½
ordinary, bls.....lb. .10½- .11

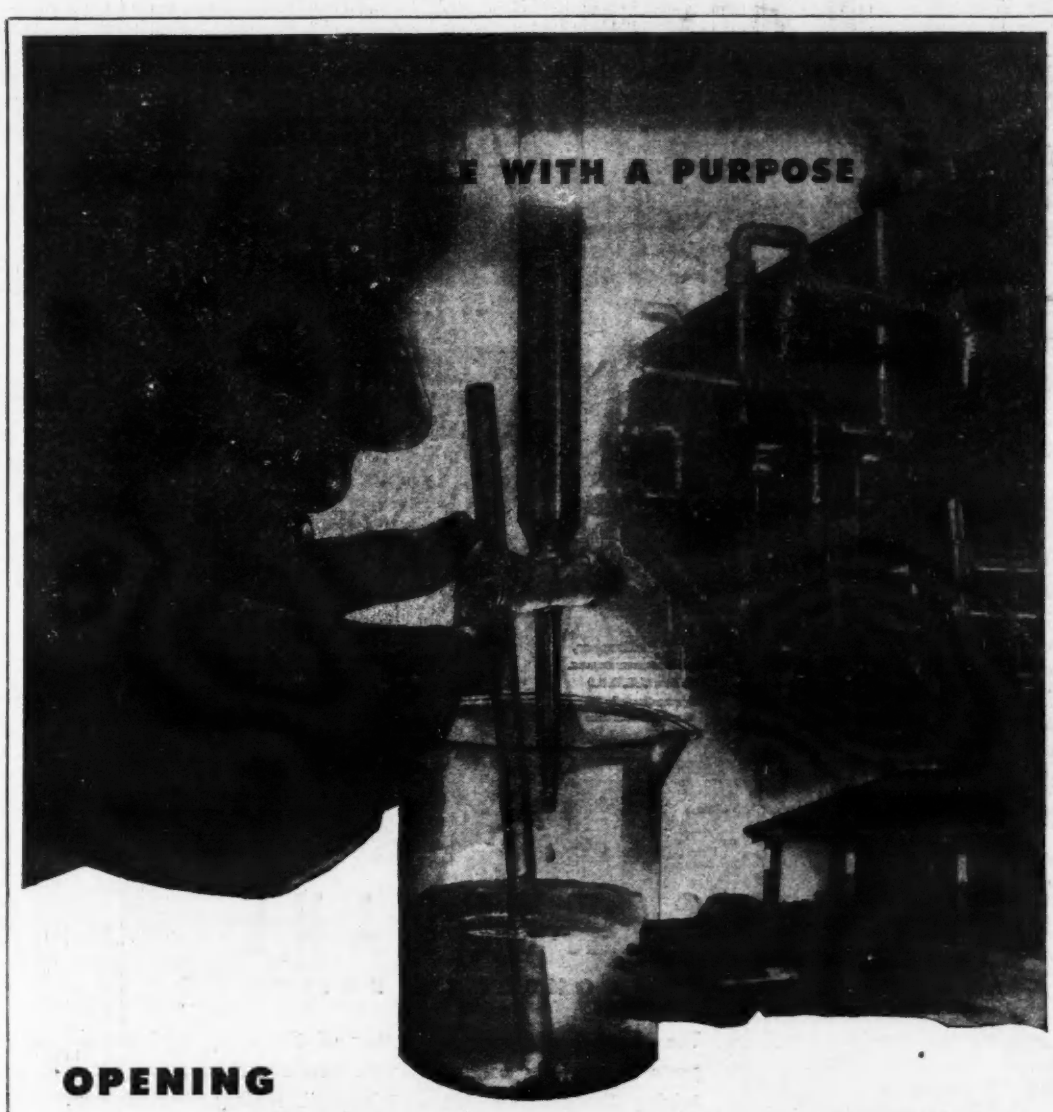
Lavender flowers, medium, bls.....lb. .50 - .55
ordinary, bls.....lb. .35 - .45
select, bls.....lb. .65 - .70
Lead acetate, white, broken, bbls..lb. .18½- —
cryst., bbls.....lb. .19¼- —
gran., powd., bbls.....lb. .19¼- —
Arsenate, basic, powder, 3-lb. bgs. or larger, c.l..lb. .21¾- —
l.c.l.....lb. .22¾- .23¾
1-lb. bgs., c.l.....lb. .29¼- —
l.c.l.....lb. .30¼- .31¼

Lead arsenate prices are works or whse. basis, frt. alld. on 96 lbs. or more to dest. East.

Blue, basic sulphate, bbls., c.l., ship't pt. frt. alld..lb. .15¼- —
l.c.l., works.....lb. .15½- —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, jars.....lb. 2.94 - —
Linoleate, solid, 13%, bbls.....lb. .41¾- —
Metal, pigs, prime, N. Y.....lb. .15 - —
E. St. Louis.....lb. .1480- .1485
Metallic paste, dms., 10,000-40,000 lbs., works..lb. .27½- —
2,000-10,000 lbs., same basis....lb. .28½- —
up to 2,000 lbs., same basis....lb. .30 - —
Naphthenate, 21% Pb, liquid, dms..lb. .20½- —
30% Pb, liquid, dms.....lb. .24¾- —
37% Pb, solid, dms.....lb. .27½- —
Nitrate, bbls., c.l.....lb. .17¾- —
l.c.l.....lb. .18 - —
Oleate, bbls.....lb. .26¼- —
Peroxide, powd., tech., bbls.....lb. .29 - .31
Red, 95% Pb_3O_4 or less, bbls., c.l., f.o.b. ship't point, frt. alld..lb. .1760- —
l.c.l., 5 tons, same basis.....lb. .1800- —
smaller lots, same basis....lb. .1850- —
in oil, kgs.....lb. .2675- —
Lead, red, 97% Pb_3O_4, bbls., c.l., same basis..lb. .1785- —
l.c.l., 5 tons, same basis.....lb. .1825- —
smaller lots, same basis....lb. .1875- —
98% Pb_3O_4, bbls., c.l., same basis. lb. .1810- —
l.c.l., 5 tons, same basis.....lb. .1850- —
smaller lots, same basis....lb. .1900- —
Resinate, precip., 23.8% Pb., dms. lb. .23 - —
Silicate, bgs.....lb. .17 - .17½
Soyate, 26.15% Pb., dms.....lb. .33¾- —
Stearate, bbls., c.l.....lb. .44 - —
ton lots.....lb. .45 - —
less ton lots.....lb. .50 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 16% Pb., liquid, dms.....lb. .14 - —
30% Pb., solid, dms.....lb. .19 - —
White, basic carbonate, bbls., c.l., f.o.b. ship't point, frt. alld..lb. .16 - —
l.c.l., works.....lb. .16¼- —
Basic sulphate, bbls., c.l., f.o.b. ship't point, frt. alld..lb. .15¼- —
l.c.l., works.....lb. .15½- —
Lecithin, edible, dms., c.l., works..lb. .31 - —
l.c.l., works.....lb. .32 - —
tech., dms., c.l., works.....lb. .31 - —
l.c.l., works.....lb. .32 - —
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns.....lb. .40 - .42
powd., bbls.....lb. .60 - .62
Root, bls.....lb. .03 - .10
5-lb. bundles, cs.....lb. .60 - .65
powd., bbls.....lb. .14 - .15
Lignin extract, tanning grade, bgs., c.l., works..lb. .04¾- —

Hypernic Extract—Lime, Chemical, Hydrated

Lime, agricultural, bulk, works..tons. 9.00 - 9.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.....ton. 9.00 - —
Annville, Pa.....ton. 8.50 - —
Bellefont, Pa.....ton. 8.50 - —
Berkeley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton. 10.25 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton. 9.00 - —
Crab Orchard, Tenn.....ton. 8.50 - —
Eagle Mountain, Va.....ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio.....ton. 7.50 - —
Hannibal, Mo.....ton. 7.50 - —
Keystone, Ala.....ton. 8.50 - —
Knoxville, Tenn.....ton. 8.50 - —
Limedale, Ark.....ton. 8.00 - —
Longview, Ala.....ton. 8.50 - —
Mitchell, Ind.....ton. 7.50 - —
Newala, Ala.....ton. 8.50 - —
Manistique, Mich.....ton. 8.00 - —
Marblehead, Ohio.....ton. 8.50 - —
Martinsburg, W. Va.....ton. 8.50 - —
Menominee, Mich.....ton. 8.00 - —
Ripplemead, Va.....ton. 8.50 - —
Riverton, Va.....ton. 8.50 - —
Rockland, Maine.....ton. 8.00 - —
Scioto, Ohio.....ton. 6.50 - —
Sherwood, Tenn.....ton. 8.50 - —
Sherwood, Wis.....ton. 8.50 - —
Springfield, Mo.....ton. 8.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
hydrated, paper bgs., Adams, Mass..ton. 11.25 - —
Annville, Pa.....ton. 11.00 - —
Bellefonte, Pa.....ton. 11.00 - —
Berkeley, W. Va.....ton. 10.00 - —
Buffalo, N. Y.....ton. 11.00 - —
Carey, Ohio.....ton. 8.50 - —



OPENING
THE FLOODGATES OF PRODUCTION

We hold the belief that *all* the knowledge to be gained through careful research is essential to the production of a superior product. So each new Oronite product starts with a trickle. Drops to be analyzed, experimented with, in order that increased facilities and complete know-how may bring quantity production.

In the industrial chemical field, you can look with confidence to Oronite for more and improved products for industry.

ORONITE CHEMICALS

ORONITE CHEMICAL COMPANY
200 Bush St., San Francisco 4, Calif • 30 Rockefeller Plaza, New York 20, N.Y.
Standard Oil Building, Los Angeles 15, California

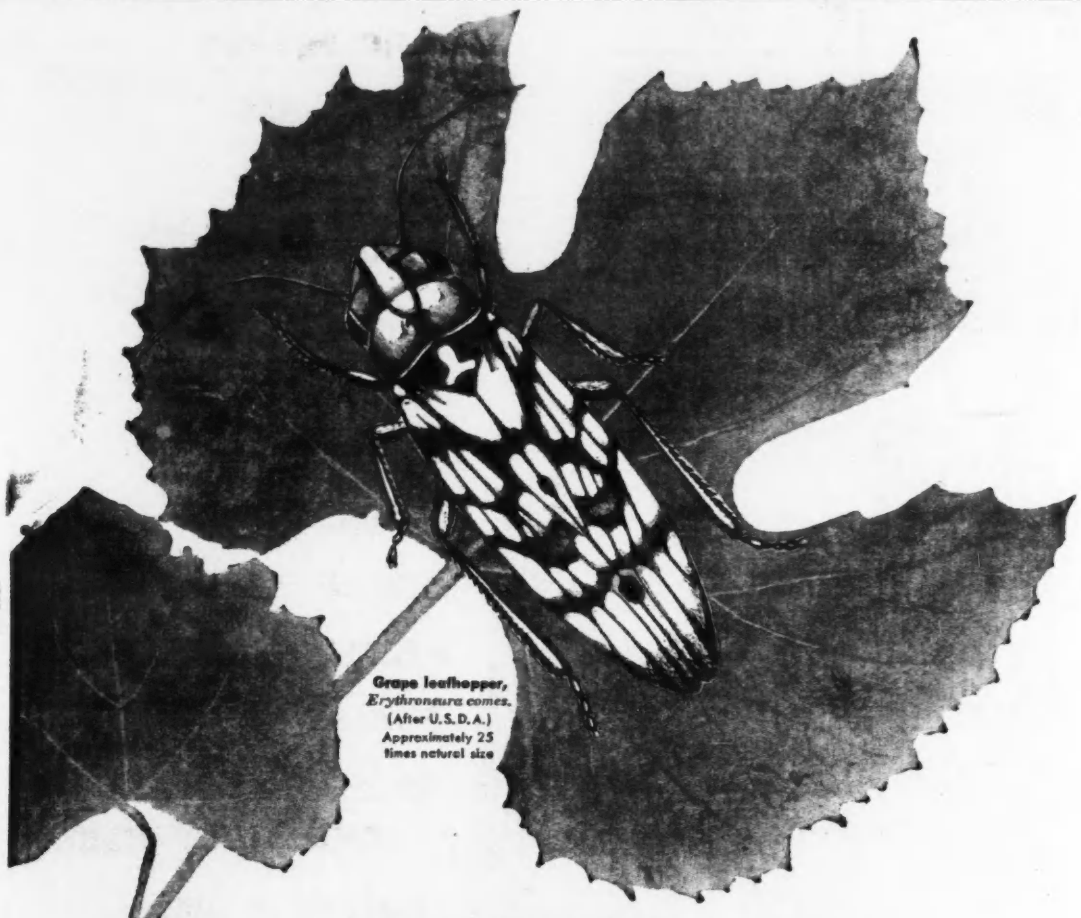
Lime, Chemical, Hydrated—Methyl Abietate, Hydrogenated

Lime, chemical, hydrated, paper bgs.,
Cedar Hollow, Pa.....ton.11.00 - —
Crab Orchard, Tenn.....ton.11.65 - —
Eagle Mountain, Va.....ton.10.00 - —
Engle, W. Va.....ton.11.00 - —
Farnams, Mass.....ton.11.00 - —
Gibsonburg, Ohio.....ton. 9.50 - —
Hannibal, Mo.....ton. 9.50 - —
Keystone, Ala.....ton.11.65 - —
Knoxville, Tenn.....ton.11.00 - —
LeRoy, Minn.....ton.10.00 - —
Limedale, Ark.....ton.10.00 - —
Longview, Ala.....ton.11.65 - —
Marblehead, Ohio.....ton.10.50 - —
Mitchell, Ind.....ton.10.00 - —
Manistique, Mich.....ton. 9.50 - —
Newala, Ala.....ton.11.65 - —
Petoskey, Mich.....ton.10.00 - —
Port Island, Mich.....ton. 9.00 - —
Rapid City, S. Dak.....ton.12.00 - —
Ripplemead, Va.....ton.10.00 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton.12.14 - —
Sherwood, Wis.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton.11.00 - —
spray, paper bgs., Adams, Mass.
ton.11.70 - —
Annville, Pa.....ton.11.00 - —
Bellefonte, Pa.....ton.11.00 - —
Carey, Ohio.....ton.11.00 - —
Engle, W. Va.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton.10.00 - —
Marblehead, Ohio.....ton.10.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.11.00 - —

Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bulk, works.....ton. 1.40 - —
Linalool, ex bois de rose.....lb. 6.05 - 6.85
ex lignaloe wood.....lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots.lb. 5.75 - 7.60
ex lignaloe wood, bots.....lb. 8.25 - 8.40
ex petitgrain, bots.....lb. 5 10 - 6.35
Linden flowers with leaves, bls....lb. .35 - .36
without leaves, bls.....lb. .35 - .36
Linseed meal, 34%, bulk, Midwest mills.
ton.75.00 Nom.
Litharge, com'l, powd., bbls., c.l., f.o.b. ship't point, frt. alld..lb. .1660- —
l.c.l., 5 tons, same basis..lb. .17 - —
smaller lots, same basis.....lb. .17½- —
Lithium bromide, bbls., works, frt. equald..ton. 1.90 - —
Carbonate, NF, bbls., kgs.....lb. 1.15 - —
Chloride, jars.....lb. 1.15 - 1.65
Citrate, bbls., dms., kgs.....lb. 1.30 - 1.45
Fluoride, bbls.....lb. 1.90 - —
Hydroxide, jars.....lb. 1.15 - 1.25
Lithopone, ordinary, bgs., c.l., shipping point..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
bbls., c.l., same basis.....lb. .05¾- —
l.c.l., same basis.....lb. .06 - —
Titanated (high-strength), bgs., c.l. lb. .07¼- —
smaller lots.....lb. .07½- —
bbls., c.l.....lb. .07½- —
smaller lots.....lb. .07¾- —
Lithopone, c.l., dlvd. Pac. Coast ¼c. higher; l.c.l., ex whse. Pac. Coast, ½c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .60 - .65
Lobeline sulphate, bots., works....oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .37 - —
No. 2, bbls., l.c.l.....lb. .35 - —
liquid, No. 1, bbls., l.c.l.....lb. .18 - —
No. 2, bbls., l.c.l.....lb. .17 - —
No. 3, bbls., l.c.l.....lb. .16½- —
No. 4, bbls., l.c.l.....lb. .16 - —
solid, No. 1, bxs., l c.l.....lb. .32 - —
No. 2, bxs., l.c.l.....lb. .30 - —
No. 4, bxs., l.c.l.....lb. .27½- —
No. 5, bxs., l.c.l.....lb. .25½- —
No. 6, bxs., l.c.l.....lb. .43½- .48½
Lovage root, imp., bls.....lb. 1.20 - 1.25
Lupulin, NF VII tin.....lb.10.00 -11.00
Lycopodium, NF, cs.....lb. 2.50 - 3.00

M

Mace, No. 1, Siauw, cs.....lb. 1.40 - 1.45
East Indian, bgs., futures.....lb. 1.40 - 1.45
West Indian, bgs., futures.....lb. 1.45 - 1.50
Broken, bgs., futures.....lb. 1.30 - 1.40
Madder, Dutch, bgs.....lb. .29 - .32
Magnesia, calcined, tech., bbls. works..lb. .29 - —
USP, bbls.....lb. .31 - .35
Magnesium arsenate, bgs., cans, works..lb. .20 - .30
Bromide, dms.....lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald..lb. .07¼- —
l.c.l., frt., alld.....lb. .08¼- —
bbls., c.l., frt. equald.....lb. .08¼- —
l.c.l., frt. alld.....lb. .09¼- —
kgs., c.l., frt. equald.....lb. .09¾- —
l.c.l., frt. alld.....lb. .10¾- —
Magnesium carbonate, USP, bgs., c.l., frt. equald..lb. .09 - —
l.c.l., frt. alld.....lb. .10 - —
bbls., c.l., frt. equald.....lb. .09¼- —
l.c.l., frt. alld.....lb. .10¼- —
kgs., c.l., frt. equald.....lb. .10¾- —
l.c.l., frt. alld.....lb. .11¾- —
Magnesium carbonate is quoted frt. alld. to N. J., except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean, and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.
Chloride, anhyd., bbls., dlvd.....lb. .12¾- —
flake, bbls., c.l., works.....ton.37.00 - —
l.c.l., works.....ton.44.00 -46.00
Fluoride, bbls.....lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs.....lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .46 - .47
Metal, 98.8%, ingots, cs.....lb. .20½- —
sticks, cs.....lb. .34 - .38
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works.....lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls.....lb. .62 - .67
Silicate (see Talc).
Silicofluoride, bbls.....lb. .14 - .16
Stearate, ctns., 2,000 lbs. to c.l. lb. .44 - —
smaller lots.....lb. .45 - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000 lbs.....lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, calcined, powd., bgs., c.l., mines, Calif.....ton.60.00 - —
dead-burnt, bulk, c.l., Chewalah, Wash.ton.24.00 - —
Maleic anhydride, dms., c.l.....lb. .25 - —
l.c.l.....lb. .26 - —
Malva flowers, blacks, bls.....lb. No stocks
Blue, bls.....lb. 1.45 - 1.50
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .40 - .45
Manganese acetate, dms.....lb. .25½- —
Arsenate, bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls., wks.....lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., works.....ton.74.75 -79.79
paper bgs., c.l., works ton.70.00 - —
l.c.l., works.....ton.73.00 - —
85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works.....ton.77.00 -82.00
Glycerophosphate, fib. dms.....lb. 4.25 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide jars.....lb. 5.55 - —
Linoleate, liquid, 4% Mn, dms....lb. .41 - —
solid, precip., 8.2% Mn, bbls.....lb. .43 - —
Metal, cs., dlvd. East.....lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms..lb. .21 - —
solid, 10% Mn, dms.....lb. .33¼- —
Resinate, fused, 3½% Mn, bbls....lb. .09 - .10½
precip., dms.....lb. .20 - —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works....lb. No stocks
feed grade, 77-80%, bgs.....lb. .04 - .06
fertilizer grade, 65%, bgs., c.l., dlvd E..ton.56.00 - —
l.c.l., dlvd. E., of Balto. or Cincinnati..ton.63.00 - —
industrial grade, 80%, bgs.....lb. .05 - .05¾
75%, bgs., c.l., dlvd. East....ton.64.50 - —
l.c.l., same basis.....ton.71.50 - —
Tallate, liquid, 4% Mn, dms.....lb. No prices
solid, 8% Mn, dms.....lb. No prices
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock..ton.60.00 -62.00
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs.....lb. .75 - .80
Mannitol, com'l, bbls., works.....lb. .38 - .43
reagent, cs, works.....lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
Chilean, bls.....lb. .09½- .10
futures, bls.....lb. .09½- .10
French, bls.....lb. .33 - .34
Matico leaves, bls.....lb. .17 - .18
Menadione, USP, bots., works...gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 8.00 - 8.25
synthetic, tech., cns.....lb. 6.00 - 6.40
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 7.00 - 7.40
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.33 - 2.35
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.54 - 3.59
Iodide, red, NF, dms.....lb. 4.32 - —
Yellow, NF, fib. dms.....lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms.....lb. 2.74 - 2.76
Mesityl oxide, dms., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
tanks, dlvd.....lb. .11½- —
Metacresol, 98%, dms., works.....lb. .65 - —
Metanitroparatoluidin, bbls.....lb. 1.16 - 1.21
Metaphenylenediamine, kgs.....lb. .72 - —
Metatolylenediamine, kgs.....lb. .77 - —
Methanol, natural, all grades, group A, dms. extra, c.l., E. of Miss. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
group B, dms. incl., c.l., frt. alld. gal. .67 - —
l.c.l., same basis.....gal. .78 - —
tanks, same basis.....gal. .60 - —
Prices on natural methanol W. of Miss. 3c. higher
synthetic, dms., c.l., zone 1, frt. alld. gal. .34½- —
2, frt. alld. or dlvd.....gal. .37½- —
3, frt. alld.....gal. .41½- —
4, frt. alld.....gal. .41½- —
l.c.l., zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld.....gal. .44 - —
3, dlvd. S. F. and L. A....gal. .42 - —
4, frt. alld or dlvd.....gal. .52½- —
tanks, zone 1, frt. alld.....lb. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —
Synthetic methanol zones are: Zone 1— Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore,, Utah and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.
Methyl abietate, non-ret. dms., c.l., dlvd..lb. .13¼- —
l.c.l., dlvd.....lb. .13¾- —
hydrogenated, non-ret, dms., c.l., dlvd..lb. .15½- —
l.c.l., dlvd.....lb. .16 - —


Grape leafhopper, *Erythroneura comes.* (After U.S.D.A.) Approximately 25 times natural size

SANTOBANE
(MONSANTO DDT)

The grape leafhopper is another of the many agricultural pests successfully controlled with proper formulations containing Santobane — Monsanto's DDT. It is preferred by many manufacturers of insecticides because it is a uniform, free-flowing, granular material that can be easily solubilized, emulsified or milled.

Santobane is available to meet your requirements.

Inquiries concerning the properties, formulation and uses of Santobane will be given prompt attention. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri. *Santobane: Reg. U. S. Pat. Off.*

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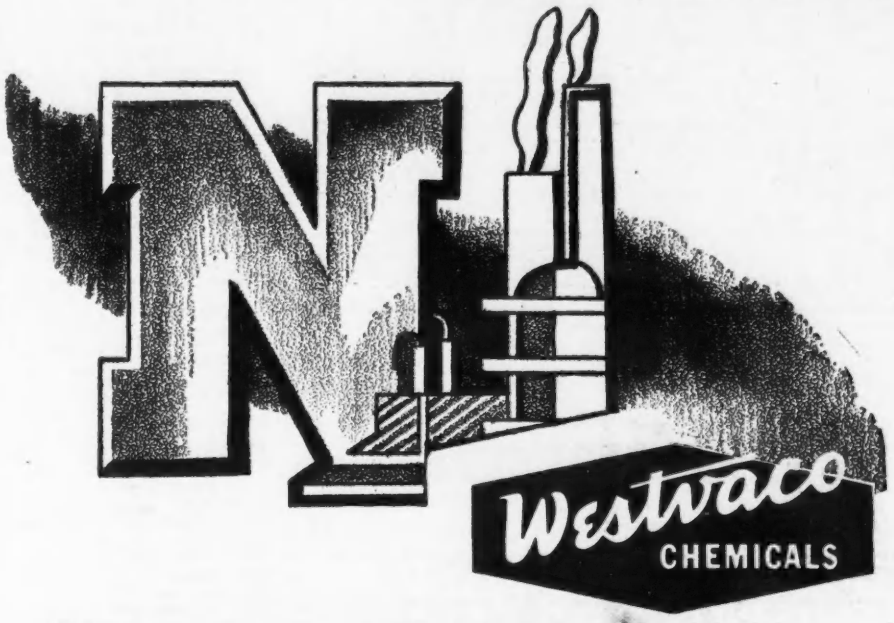

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ALUMINUM CHLORIDE
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ACETANILID
ACID SODIUM PYROPHOSPHATE
BARIUM HYDRATE
BARIUM SULFATE
BARIUM PEROXIDE
BENZOATE OF SODA
BICARBONATE OF SODA
BENZENE HEXACHLORIDE
BENZOYL PEROXIDE
BLANC FIXE
CARBON TETRACHLORIDE
CARBON BISULPHIDE
CAUSTIC POTASH
CAUSTIC SODA
CITRIC ACID
CALCIUM CITRATE
CREAM OF TARTAR
DDT
EPSOM SALT
LECITHIN
LITHIUM SALTS
PERCHLORETHYLENE
PHOSPHORIC ACID
PHOSPHOROUS (RED AMORPHOUS)
ROCHELLE SALT
SAPONIN
SODIUM SULPHIDE
SODA ASH
SODIUM TRIPOLY PHOSPHATE
SODIUM TETRA PYROPHOSPHATE
TARTARIC ACID
TARTAR EMETIC
TRICHLORETHYLENE
VANILLIN

Methyl Acetate—Nitrogen Solution

Methyl acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss .....lb. .12 - .13½
tanks, E. of Miss .....lb. .09½- —
W. of Miss. .....lb. .10½- —
tech., dms., c.l., E. of Miss.....lb. .07 - .09
W. of Miss. .....lb. .08 - —
l.c.l., E. of Miss. .....lb. .07½- .11
W. of Miss. .....lb. .08½- .10½
tanks, E. of Miss. .....lb. .06 - —
W. of Miss. .....lb. .07 - —
Acetoacetate, dms., c.l., frt.alld. E lb. .42 - —
l.c.l., same basis.....lb. .42½- —
Methyl acetoacetate prices, frt. alld. W., ½c higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld.gal. .50 - —
l.c.l., same basis.....gal. .57 - —
tanks, same basis .....gal. .60 - —
Natural methyl acetone group
A prices W. of Miss. 3c. per gal higher.
group B, dms., incl., c.l., E. Miss., frt. alld..gal. .67 - —
l.c.l., same basis .....gal. .78 - —
tanks, same basis .....gal. .60 - —
synthetic, dms., c.l. works, frt, alld E...gal. .49 - —
frt. alld. W .....gal. .51½- —
l.c.l., works, frt, alld. E...gal. .53 - —
frt. alld. W.....gal. .55½- —

Methyl acetone, synthetic, tanks, works, frt. alld. E..gal. .42½- —
frt. alld. W.....gal. .44½- —
Methyl acetone, synth. East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, dms. .....lb. 2.20 - 2.50
bots., cns. .....lb. 2.20 - 2.60
Benzoate, cns. .....lb. .45 - 1.20
Bromide, cns. .....lb. .63 - .65
cyls. .....lb. .55 - .70
Chloride, indust., cyl., works...lb. .16 - —
tanks, multi-unit, works.....lb. .14¾- —
single-unit, works .....lb. .14 - —
refrigeration, indust. consumers, refrigeration machinery mfrs., cyls., dlvd. .....lb. .33 - —
retail refrigeration consumers or service men, cyls., dlvd.....lb. .41 - —
Cinnamate, cns. .....lb. 1.60 - 3.50
Formate, dms. .....lb. .89 - —
Iodide, bots. .....lb 3.00 - 3.25
Lactate, dms., l.c.l., works.....lb. .35 - —
Methacrylate, M-1, dms., works..lb. .45 - —
cns., works .....lb. .48 - .58
P-1, cns., works .....lb. .60 - —
Salicylate, dms., 500 lbs.....lb. .40 - —
25-50 lbs. .....lb. .45 - —
Methylamyl ketone, cns., dms., works, lb. No stocks
Methylcellulose, special vis. (4,000 cps.), fib. cans., 2,000 lbs. or more, frt. alld..lb. .70 - —
smaller lots, frt alld. on 100 lbs. lb. .75 - .80

Methylcellulose, standard vis. (15-1,500 cps.), fib. cans., 2,000 lbs. or more..lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .73
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, tech. (see Dyes, coal-tar).
USP, 100-lb. lots, kgs., frt. equald. lb. 2.20 - —
50-lb. lots, kgs., same basis..lb. 2.30 - —
25-lb. lots, kgs., same basis..lb. 2.35 - —
Chloride, refrig., dms., dlvd. E..lb. .12 - .13
Methyleneanilin, dms., ton lots, frt. alld..lb. .36 - —
smaller lots, same basis.....lb. .37 - —
Methylethyl ketone, dms., dlvd....lb. .10½- —
l.c.l., dlvd.....lb. .11 - —
tanks, dlvd.....lb. .09 - —
Methylhexyl ketone, tech., dms., works..lb. .60 - —
Methylionone, A, cns.....lb. 6.55 - 8.80
D, cns.....lb. 7.50 - 9.55
prime, cns.....lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd.....lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd.....lb. .12½- —
Methylnaphthyl ketone, cns.....lb. 3.00 - 3.75
Methylpentanediol, dms., works, dlvd. lb. .17½- —
l.c.l., works, dlvd.....lb. .18½- —
tanks, works, dlvd. .....lb. .17 - —

Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.....lb. .03½- —
roofing, 20 to 80 mesh, works...lb. .03¾- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E. lb. .05¾- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05 - —
l.c.l., ex whse. or frt. alld. E. lb. .05½- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E. lb. .07 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .06¼- —
l.c.l., ex whse. or frt. alld. E. lb. .06¾- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E. lb. .07 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06¾- —
l.c.l., ex whse. or frt. alld. E. lb. .07¼- —
mica, wet-grd., W. of Miss. R., ½c. higher. W. of Rockies, ¾c. higher.
Milk powder, skimmed, roller, bbls., c.l...lb. .09½- .11¼
spray, bbls., c.l.....lb. .10½- .10¾
Whole, roller, bbls., c.l.....lb. .32½- .37¾
spray, bbls., c.l.....lb. .33 - .36¼
Sugar, bbls., c.l., works.....lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses, blackstrap, tanks, U. S. ports..gal. .22½- .23
Molybdate orange (see Orange, molybdate).
Molybdenum metal, 90% Mo. powd., kgs..lb. 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., same basis.....lb. .64 - —
Monochlorobenzene, dms., c.l., works, frt. equald..lb. .06 - .07½
l.c.l., works.....lb. .06½- .08½
smaller containers, works.....lb. .09 - .10
tanks, works, frt. equald.....lb. .05½- .06
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., wks. basis 100%..lb. .17 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .15 - —
Monomethylamine, anhydrous, cyl., works, basis 100%..lb. .34½- .44½
25%-40%, dms., c.l., same basis..lb. .34 - —
tanks, same basis.....lb. .30 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monononylnaphthalene, tanks, wks..lb. .16 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium prosphate, monobasic).
Morphine, bots., 5 ozs.....oz. 11.10 - —
cns., 25 ozs. .....oz. 10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.70 - —
Hydrochloride, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.75 - —
Morpholine, dms., l.c.l., works....lb. .67 - —
smaller containers, works.....lb. .75 - —
Mullein leaves, bls.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots..oz. 38.00 -52.00
synthetic, ambrette, cns..... 8.00 -14.25
Ketone, cns., 100 lbs. or more..lb. 4.00 - 4.25
25 lbs. .....lb. 4.70 - 5.05
5 lbs. .....lb. 4.80 - 5.15
Xylol, cns. .....lb. 1.60 - 1.80
25 lbs. .....lb. 1.70 - 1.90
5 lbs. .....lb. 1.80 - 2.00
Muskroot, bls. .....lb. No stocks
Mustard seed, Calif., brown, bgs..lb. .21 - .21½
yellow, bgs. .....lb. .21 Nom.
Danish, yellow, bgs.....lb. .19 - .19½
Dutch, yellow, bgs.....lb. .17 - .17½
futures, bgs. .....lb. .18 - .18½
Montana, brown, bgs.....lb. .16½- .17
new crop futures, source....lb. .08 - .08½
oriental, bgs .....lb. .08½- .09
new crop futures, source....lb. .06½- .07
yellow, bgs.....lb. .18 - .18½
new crop futures, source....lb. .11¾- .12¼
Washington, yellow, bgs.....lb. No prices
Myrobalans, J1, good quality, ex dock. ton. 54.00 -55.00
J2, ex dock.....ton. 51.00 -52.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74° bgs., bbls., c.l., frt. equald..lb. No prices
tanks, same basis.....lb. .035 - .0475
78°, bgs., c.l., same basis.....lb. No prices
bbls., c.l., same basis.....lb. .0410- .055
l.c.l., same basis.....lb. .0435- .06
tanks, same basis.....lb. .0375 - .05
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works, lb. .11 - —
50-lb. cs., c.l., same basis....lb. .11¼- —
1-lb. pkgs., c.l., same basis..lb. .12½- —
Neocinchophen, USP, dms., works..lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y.....ton. 13.75 - —
pottery, 200 mesh, bulk, Rochester, N. Y..ton. 17.25 - —
Nepheline syenite in bgs. $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .39 - —
Chloride, bbls.....lb. .20 - —
Cyanide, bots., dms.....lb. 1.75 - 2.00
Metal, electro cathodes, cs.....lb. .35½- —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .14 - .14½
Nicotinamide, USP, dms., works..kilo. 9.50 - 9.80
Nicotine sulphate, 40%, dms., dealers, frt. allowed over 50 lbs..lb. .988 - —
tins, dealers.....lb. 1.105 - —
Nikethamide, bots, cbys.....lb. 5.50 - 6.00
Nitercake, bulk, works.....ton. 20.00 -24.00
Nitrobenzene, dbl. dist., dms., c.l..lb. .08½- .08¾
l.c.l. .....lb. .09½- .10
tanks .....lb. .07½- .07¾
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, and 60-80 secs., bbls., c.l., works, dry weight..lb. .26 - —
l.c.l., same basis.....lb. .27 - .29
18-25 cps., 125-175 secs., c.l., same basis..lb. .28 - —
l.c.l., same basis.....lb. .29 - .31
250-400 secs. and 600-1,000 secs., c.l., same basis..lb. .31 - —
l.c.l., same basis.....lb. .32 - .34
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-60 secs., c.l., same basis. lb. .32 - —
l.c.l., same basis.....lb. .33 - .35
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Barrels extra, but returnable.

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SULPHURIC ACID: ALL GRADES
TAR, PITCH and CREOSOTE
SULPHATE OF AMMONIA
TAR BASES: PYRIDINE, PICOLINES
SODIUM CYANIDE · SODIUM THIOCYANATE
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Pittsburgh Coke & Chemical Company
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AN OPEN LETTER TO CHEMICAL MANUFACTURERS

On August 27th I am leaving on the S.S. Queen Mary for London where I shall spend a few days and then proceed to Scandinavia, Holland, Belgium, France, and Switzerland. This will not be a vacation but a business trip as I intend to visit as many of our customers in the countries I have mentioned as time will permit, and it is possible that I shall also go further afield.

We have an established clientele throughout Europe and also in the Near and Far East. We have exported to these clients many chemical products of leading manufacturers of the United States and our sources of supply are not unknown to most of our customers so in a way my trip abroad may be as much in your interests as it is in ours.

This company represents a number of chemical manufacturers and while we act as principals to the extent of discounting any bill which is discountable, we do operate on a commission basis; that is, we rarely figure more than 5% gross profit on any transaction that we handle.

I have been in the export and import business for the past 40 years and know about the trials, troubles, and tribulations that beset this particular business. My two sons for some time past have had the same schooling and we pride ourselves, today, on the fact that we avoid many of the headaches that are common to others, of less experience, in the export business.

We believe we have the confidence of the people that we represent and the people that we deal with. We work hard, have the experience, and can handle your export trade. We can develop profitable markets for you throughout the world as our connections from Rio to Bombay, from London to Shanghai, are well and favorably known in International trade circles.

World trade is becoming more important to the United States than ever before and many U.S.A. manufacturers are meeting the challenge of world-wide demand for chemical products by diverting a representative portion of their production for export through known and trusted channels. If you are planning to export any of your production, I offer you the services of this well-organized company which will introduce your products into foreign markets—markets that sooner or later will be essential to American Industry.

During my trip, I would like to present, to our clients in Europe, a definite program as to what you and other chemical manufacturers can do in regard to supplying the European demand for various chemical products in the months to come. If you will send us a few lines stating what you have available for shipment abroad, your time will be well spent, as we will see to it that you get your share of good profitable export business.

Signed,
HARRY DIXON

HARRY DIXON & SONS, INC.

230 Park Avenue, New York 17, New York
Murray Hill 6-1182

PAUL R. B. DIXON HARRY DIXON CARL N. B. DIXON

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NIAGARA FALLS, NEW YORK
"chemicals from the salt of the earth"

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"lactic acid and lactates"

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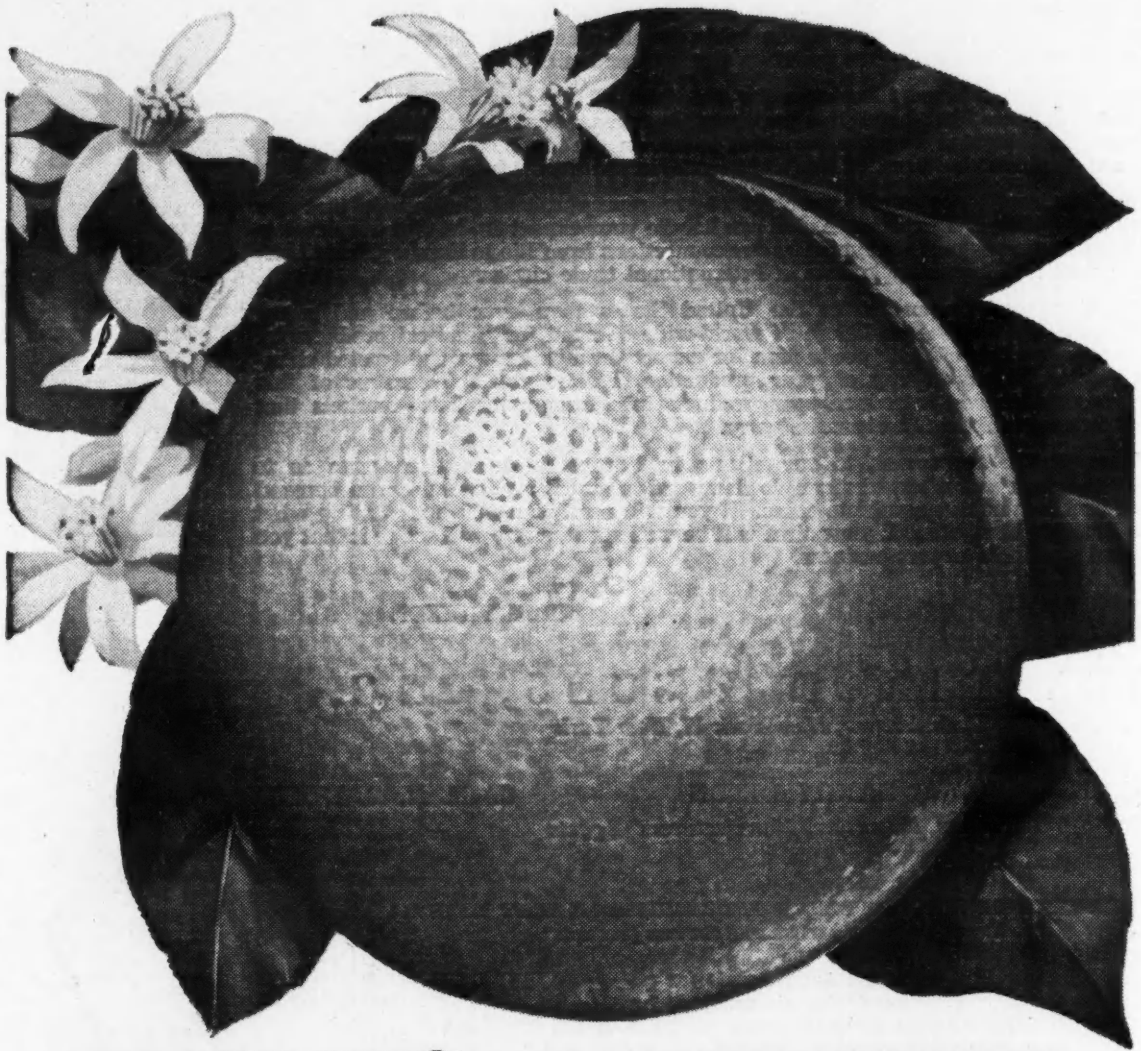
We also offer for export the solvents produced by
PHILLIPS PETROLEUM COMPANY, BARTLESVILLE, OKLAHOMA

Nitrogenous Process Tankage—Oil, Petitgrain

Nitrogenous process tankage, bulk, works, ammo. unit ton. 4.60 - 6.00
Sewage sludge, bulk, works, unit ton. 4.15 + 40- —
Nitromethane, dms., c.l., works....lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane, 1, dms., works.....lb. .25 - —
2, dms., works.....lb. .25 - —
Nonylnaphthalene blend (mono and di), tanks, works..lb. .14 - —
Nutgalls, bgs .....lb. .44 - .50
Nutmegs, East Indian, bgs., futures, lb. .60 - .61
West Indian, bgs., now due.....lb. .54 - .55
futures .....lb. .55 - .56
Nux vomica, bls.....lb. .09 - .10
powdered, bbls., bxs.....lb. .12 - .13

O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100°-140° C. industrial grade, dms., c.l., group 3..gal. .16 - —
l.c.l .....gal. .20 - .55
tanks, group 3.....gal. .13 - —
Octanol (see Alcohol, ethylhexyl).
Oil, almond, bitter, artificial (see Benzaldehyde).
natural, F.P.A., bots.....lb. 4.50 - 5.00
NF, bots.....lb. 4.00 - —
Sweet, dms., cns.....lb. .69 - 1.00
Angelica root, bots.....lb. 35.00 -250.00
Seed, bots.....lb. 115.00 -200.00
Anilin (see A).
Oil, anise, USP, Chinese, dms.....lb. .65 - 1.00
Russian, cns. .....lb. 3.75 - —
Apricot kernel, cns.....lb. .65 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, tanks.....lb. .14½- —
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.60 - 2.25
55-60%, cns.....lb. 1.75 - 2.35
60-65%, cns.....lb. 2.50 - —
West Indian, 50-55%, cns.....lb. 1.20 - 1.65
Bergamot, artif., cns.....lb. 3.50 - 4.25
natural, Italian, cns.....lb. 4.40 - 5.50
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. 1.00 - —
rectified, cns. .....lb. No stocks
Bois de rose, Brazil, cns.....lb. 3.90 - 5.50
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.55 - 3.20
redistilled, USP IX, cns.....lb. 2.60 - 3.20
Calamus, cns. .....lb. 20.00 -28.00
Camphor, natural, white, cns....lb. .15 - .65
synthetic, dms. .....lb. .15 - .35
Cananga, natural, cns.....lb. 6.00 - 9.10
rectified, cns.....lb. 10.00 -12.60
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns.....lb. 3.50 - 6.50
Cardamom, bots. .....lb. 28.50 -31.50
Cassia, USP, cns.....lb. 3.00 - 3.75
Castor, blown, ret. dms., c.l.....lb. .30 - .30½
l.c.l. .....lb. .31 - .31½
cold-pressed, USP, ret. dms., c.l. lb. .28 - —
l.c.l. .....lb. .29 - —
tanks .....lb. .27 - —
Oil, castor, dehydrated, bodied, dms., c.l..lb. .30¾- —
l.c.l. .....lb. .31½- —
tanks .....lb. .30 - —
unbodied, dms., c.l.....lb. .29¾- —
l.c.l. .....lb. .30½- —
tanks .....lb. .29 - —
No. 3, tech., dms., c.l.....lb. .27¾- —
l.c.l. .....lb. .28¾- —
tanks .....lb. .26¾- —
sulphonated, 50% (48% fat), dms. lb. .16½- .17¼
75% (60-62% fat), dms.....lb. .23 - .23½
Cedarleaf, USP, cns., dms.....lb. 2.25 - 2.85
Cedarwood, cns., ...lb. .72 - 1.10
dms. .....lb. .70 - 1.00
Celeryseed, bots. .....lb. 15.00 -20.00
Chaulmoogra, NF, cns., dms.....lb. .56 - —
Chinawood (see Oil, tung)
Cinnamon bark, bots.....lb. 52.50 -62.00
Leaf, dms. .....lb. 1.85 - —
Citronella, Ceylon, cns.....lb. 1.15 - 2.75
Java, cns. .....lb. 1.80 - 4.75
Clove, USP, cns.....lb. 1.35 - 1.70
Coconut, crude, tanks, Atlantic ports..lb. .12 - .12¼
Pac. coast .....lb. .11¼- —
refined, Cochin type, tax incl., ret. dms., l.c.l..lb. .19 - —
deodorized, tax incl., ret. dms., l.c.l..lb. .20¼- —
Cod, Newfoundland, dms.....gal. .20 - .22
Codliver, USP, bbls., dms.....gal. 2.40 - 3.50
Coriander, bots. .....lb. 17.00 -30.00
Corn, crude, tanks, works.....lb. .21 - —
foots, acid, 95%, tanks, dlvd. E. lb. .06¾ Nom.
raw, 50%, tanks, dlvd. 1....lb. .03½ Nom.
refined, tanks, works.....lb. .24 Nom.
Oil, cottonseed, crude, tanks, works..lb. .18 Nom.
foots, acid 95%, tanks, dlvd. E. lb. .07 - .07¼
raw, 50%, tanks, dlvd. E....lb. .03½ Nom.
deodorized, winterized, salad, dms., c.l..lb. .24 Nom.
l.c.l. .....lb. .25 Nom.
tankcars .....lb. .23 Nom.
Creosote (see C).
Croton, NF, cns.....lb. 4.75 - 5.50
Cubeb, cns. .....lb. 7.50 -10.00
Crude (see Petroleum, crude).
Cumin, bots. .....lb. 6.25 -11.50
Cypress, bots. .....lb. 15.00 Nom.
Degras (see D).
Dillseed, bots. .....lb. 6.50 - 7.00
Dillweed, bots. .....lb. 4.30 - 5.25
Dip (see D).
Erigeron, cns. .....lb. 2.30 Nom.
Eucalyptus, rect., USP, 80-90%, cns., lb. 1.05 - 1.45
70-80%, cns. .....lb. .95 - 1.30
Fennel, cns. .....lb. 3.75 - 4.55
Fir, Canada, cns.....lb. 2.25 - 2.75
Fishliver, 8,000-15,000 A units per gram, dms., per million units. .16 - .17
15,000-30,000 units, dms., per million units. .17 - .18
30,000-60,000 units, dms., per million units. .19 - .20
60,000-100,000 units, dms., per million units. .25 - .26
over 100,000 units, dms., per million units. .27½- .28¼
concentrates 200,000 ur more A units per gram, dms., per million units. .34 - .38
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz. 15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb. 16.00 -17.00
Bourbon, cns. .....lb. 12.00 -14.50
Russian, cns. .....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb. 9.00 -13.00
Grapefruit, Florida, cns.....lb. 2.25 - 2.30
California, bots., cns.....lb. 1.70 - 2.00
Grease, common No. 1, dms., c.l., Chicago..lb. .17 - —
extra, winter strained, dms., c.l., Chicago..lb. .18 - —
prime, burning, dms., c.l., Chicago lb. .19 - —
Guaiacwood, cns.....lb. 2.35 - 3.50
Hemlock, cns.....lb. 2.40 - 2.75
Herring, crude, tanks, Pac. coast..lb. No prices
Juniper berry, dom., bots.....lb. 6.00 -12.50
imported, NF.....lb. No stocks
Tar, USP (see Juniper tar).
Wood, tech., cns.....lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots.....lb. 20.00 Nom.
Lavandin, cns. .....lb. 2.25 - 3.75
Lavender flower, French, 38-42% ester..lb. 8.25 -10.50
30-32% ester .....lb. 5.00 - 8.00
Russian, cns.....lb. No stocks
Spike, Spanish, pure, cns.....lb. 1.75 - 2.40
tech., cns.....lb. 1.05 - 2.50
Lemon, natural, USP, Calif., cns..lb. 3.25 - 3.60
Messina, cns.....lb. 3.40 - 4.50
terpeneless, bots.....lb. 40.00 -50.00
Lemongrass, cns., dms.....lb. 1.30 - 2.30
Lignaloe seed, Mexican, cns.....lb. 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns. .....lb. 3.50 - 5.20
Lime, distilled, Mexican, cns.....lb. 4.00 - 5.50
West Indian, cns.....lb. 5.35 - 6.30
expressed, West Indian, cns....lb. 9.50 -13.50
terpeneless, bots. .....lb. 35.00 - —
Linseed, raw, dms., c.l. .....lb. .2690- —
l.c.l. .....lb. .2910- .2950
tankcars .....lb. .2800- —
tankwagon .....lb. .2820- —
Boiled linseed oil .007 higher than raw.
Linseed replacement, dms., c.l...lb. .25 Nom.
l.c.l. .....lb. .26 Nom.
tanks .....lb. .24 Nom.
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p., tanks..gal. .285 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks..gal. .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks..gal. .18 - .19
145-155 vis., No. 3, color, 10-25 pour, tanks..gal. .285 - —
Penna., W., cylinder, 600-680 flash, tanks..gal. .33 - —
600-650 steam refd., tanks.gal. .24 - —
neutral, 70° F., No. 3, color, 150°vis., 25 pour, tanks..gal. .26 - .36
200 vis., 25 pour, tanks.gal. .28 - .38
South Texas, neutral, pale, 500 vis., 2¼-4 pour, tanks..gal. .11 - .12
red, 200 vis., 4-6½ pour, tanks..gal. .11 - .12½
Mace, dist., cns., dms.....lb. 6.00 - 8.75
Mandarin, Brazilian, cns.....lb. 5.75 - 8.40
Italian, cns. .....lb. 8.75 - —
Menhaden, crude, tanks, Balto....lb. No prices
refined, alkali, dms., l.c.l.....lb. .18½- —
kettle-bodied, dms., l.c.l.....lb. .26 - —
light-pressed, dms., l.c.l.....lb. .17 - —
tanks .....lb. .16 - —
Mineral, white (see Oil, white mineral).
Mustard, NF, synth., cns.....lb. 1.45 - 1.65
Seed exp., dms., c.l.....lb. .22 - .22½
Neatsfoot, 15°, ret. dms., works..lb. .48 Nom.
26°, ret. dms., works.....lb. .46 Nom.
36°, ret. dms., works.....lb. .45 Nom.
Neroli, French, bots.....lb. 140.00 -390.00
Haitian, bots.....lb. 180.00 -200.00
Nutmeg, cns.....lb. 5.50 - 8.75
Ocotea cymbarum, dms.....lb. .76 - 1.15
Officica, liquid, dms., c.l.....lb. .23 Nom.
l.c.l. .....lb. .24 - .25
tanks .....lb. .22 Nom.
Oleo, extra, tcs., Chicago.....lb. .19½ Nom.
Olibanum, bots.....lb. 5.00 - 6.25
extra, fine.....lb. 6.25 - 10.50
Olive, denat., dms.....gal. No stocks
edible, Calif., dms.....gal. 5.25 - —
imported, dms.....gal. 6.25 - —
foots, dms., c.l.....lb. No prices
tankcars .....lb. No prices
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
75% (62% fat), dms., c.l.....lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, natural, dist., cns. lb. .80 - 1.25
expressed, USP, Brazilian, cns. lb. 1.40 - 1.85
Calif., cns.....lb. 1.75 - 2.10
Florida, cns., dms.....lb. 1.40 - 1.85
Messina, coppers.....lb. 4.50 - 4.75
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots.....lb. 80.00 -125.00
Origanum, Spanish, cs.....lb. 3.25 - 3.50
Palm, Niger, dms.....lb. No prices
Palmarosa, cns. .....lb. 6.25 - 9.00
Palmkernel, crude, bulk, c.l.f., N. Y. lb. No prices
Paraffin, pale, 100-110 vis. @ 100° F. tanks, works..gal. .10 - —
Patchouli, imp., cns.....lb. 15.00 -45.00
Peanut, crude, tanks, works.....lb. .19 - —
foots, acid, 95%, tanks, dlvd. E..lb. .07 - .07¼
raw, 50%, tanks, dlvd. E....lb. .03½ Nom.
refined, tanks, mills.....lb. .24 Nom.
Pennyroyal, dom., dms., cns.....lb. 3.85 - 4.75
import, cns.....lb. 3.80 - 5.00
Peppermint, natural, dms.....lb. 7.70 - 8.75
redist., USP, dms.....lb. 8.40 - 9.00
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns.....lb. 3.35 - 4.20



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ORANGE
U. S. P.

Oil, pimento berry, dms.	lb.	4.25	- 6.50
Leaf, cns.	lb.	1.95	- 3.25
Pine, dest. dist., dms. incl., c.l., works, South.	gal.	.70	- —
l.c.l., works, East.	gal.	.79	- —
tanks, works, South.	gal.	.64	- —
steam-dist., dms., ex whse., East.	lb.	.11	- —
Pineneedle, cns.	lb.	3.45	- 3.75
Putty, petroleum, heavy, dms.	gal.	.18	- —
tankwagon	gal.	.13½	- —
light, dms.	gal.	.16½	- —
tankwagon	gal.	.12½	- —
Rapeseed, dms., c.l.	lb.	No prices	
Red, single dist., ret. dms.	lb.	.17¾	- .18¾
tanks	lb.	.16½	- —
double dist., ret. dms.	lb.	.20¾	- .21¼
tanks	lb.	.19	- —
Rose natural, coppers	oz.	18.00	-40.50
Rosemary, Spanish, tech., cns., dms.	lb.	1.00	- 1.50
USP, c[illegible]	[illegible]	[illegible]	- 1.60
Rosin, 1st rectified, dms.	gal.	.66	- —
2d rectified, dms.	gal.	.68	- —
3d rectified, dms.	gal.	.78	- —
Rue, bots	lb.	4.90	- 5.50
Sage, Dalmatian, cns.	lb.	4.50	- 6.50
Spanish, cr[illegible]	lb.	2.25	- 3.50
Sandalwood, NF, Mysore, cns.	lb.	13.50	-22.50
Sardine, crude, tanks, Pac. coast,	lb.	No prices	
refined, alkali, dms., l.c.l.	lb.	.18½	- —
kettle-bodied, dms., l.c.l.	lb.	.20	- —
light-pressed, dms., l.c.l.	lb.	.17	- —
tanks	lb.	.16	- —
Sassafras, artificial	lb.	.65	- 1.10
natural, Brazilian (see Oil, ocotea cymbarum).			
domestic, USP XII, cns., dms.	lb.	1.90	- 2.30
Savin, cns.	lb.	5.75	- 9.00
Savory, cns.	lb.	8.00	- —
Seal, No. 1, tanks, U. S. ports	lb.	No prices	
Sesame, tanks	lb.	No prices	
Shingle stain, bbls., c.l., works.	gal.	.2135	- —
l.c.l., works	gal.	.25	- .29
tanks, works	gal.	.15	- .16
Snakeroot, Canada, cns.	lb.	17.50	-27.00
Soybean, crude, tanks	lb.	.14	- .14¼
foots, acid, 15%, tanks, dlvd. E.	lb.	.06½ Nom.	
raw, 50%, tanks, dlvd. E.	lb.	.03½	- .03½
refined, alkali, dms., c.l.	lb.	.21⅜	- —
l.c.l.	lb.	.2230	- —
tanks	lb.	.2083	- —
clarified, dms., c.l.	lb.	.2113	- —
l.c.l.	lb.	.2050	- —
tanks	lb.	.1913	- —
winterized, ref., tankcars.	lb.	.18	Nom.
Spearmint, dms.	lb.	8.00	-14.75
Sperm, bleached, 38°, dms.	lb.	.317	- —
natural, 45°, dms.	lb.	.297	- —
Spruce, cns., dms.	lb.	2.40	- 2.65
Sunflower-seed imp., refined, tanks,	lb.	No prices	
semi-refined, tanks	lb.	No prices	
Sweet birch, Northern, cns.	lb.	4.50	- 8.00
Southern, cns.	lb.	2.50	- 3.25
Tall, crude, tanks, works	ton.	60.00	Nom.
refined, dms., c.l., works.	lb.	.07¾	- —
l.c.l., works	lb.	.08¾	- —
tanks, works	lb.	.03¾	- —
Tallow, acidless, dms., Chicago.	lb.	.10½	Nom.
Tansy, cns.	lb.	11.00	-14.00
Tar, pine, crude, dms. incl., c.l., works, South.	gal.	.39½	- —
l.c.l., works, South.	gal.	.41½	- —
tanks, works, South.	gal.	.33½	- —
rectified, USP, l.c.l., dms. incl., wks., South.	gal.	.60	- —
Tar acid (see T).			
Thyme, NF, red, cns.	lb.	2.50	- 3.25
white, cns.	lb.	2.85	- 3.80
technical, white, cns.	lb.	.93	- —
Tung, dms., c.l.	lb.	.27¼	- —
l.c.l.	lb.	.27½	- .27¾
tanks	lb.	.25½	- .26
Turkey red (see Oil, castor, sulphonated).			
Turpentine, rectified, NF cns., dms.	lb.	.35	- .50
Vetiver, Bourbon, cns.	lb.	28.00	-38.00
Haitian	lb.	28.50	-33.00
Whale, ref., natural, dms.	lb.	No stocks	
Winter-bleached, dms.	lb.	No stocks	
Wheat germ, dms.	gal.	10.00	-13.50
White mineral, tech., 50 vis., non-ret. dms., c.l., San Francisco.	gal.	.51½	- —
l.c.l., S.F.	gal.	.53½	- .56¼
50-60 vis, dms., c.l., N.Y.	gal.	.42	- —
l.c.l., N.Y.	gal.	.44	- .48
65-75 vis., dms., c.l., N.Y.	gal.	.45	- —
l.c.l., N.Y.	gal.	.47	- .52
70 vis., non-ret. dms., c.l., S.F.	gal.	.51½	- —
l.c.l., S.F.	gal.	.53½	- .56¼
USP, 80-90 vis., dms., c.l., N.Y.	gal.	.40	- —
l.c.l., N.Y.	gal.	.51	- .56
85 vis., non-ret. dms., c.l., S.F.	gal.	.51½	- —
l.c.l., S.F.	gal.	.53½	- .56¼
100 vis., non-ret. dms., c.l., S.F.	gal.	.59	- —
l.c.l., S.F.	gal.	.61	- .64
125-135 vis., dms., c.l., N.Y.	gal.	.61	- —
l.c.l., N.Y.	gal.	.64	- .68
145 vis., non-ret. dms., c.l., S.F.	gal.	.68	- —
l.c.l., S.F.	gal.	.70	- .73
145-155 vis., dms., c.l., N. Y.	gal.	.63	- —
l.c.l., N.Y.	gal.	.66	- .70
175-185 vis., dms., c.l., N.Y.	gal.	.66	- —
l.c.l., N.Y.	gal.	.68	- .73
180 vis., non-ret. dms., c.l., S.F.	gal.	.70	- —
l.c.l., S.F.	gal.	.72	- .75
200-210 vis., dms., c.l., N.Y.	gal.	.70	- —
l.c.l., N.Y.	gal.	.73	- .77
335-345 vis., dms., c.l., N.Y.	gal.	.78	- —
l.c.l., N.Y.	gal.	.80	- .85
340 vis., non-ret. dms., c.l., S.F.	gal.	.83	- —
l.c.l., S.F.	gal.	.85	- .88
Wintergreen, natural, Northern, cns.	lb.	7.00	-17.25
Southern, cns.	lb.	3.65	- 6.00
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, NF, cns.	lb.	4.25	- 5.50
Wormwood, cns.	lb.	9.75	-13.50
Ylang-ylang, Bourbon, extra, bots.	lb.	14.00	-25.00
first, bots.	lb.	12.50	-14.50
second, bots.	lb.	8.00	- 9.50
third, bots.	lb.	5.00	- 7.50
Oleostearin, tanks	lb.	.16	Nom.
Olivine, aggregate, c.l., mines.	ton.	7.00	- 9.50
crushed, 8 mesh, bulk, c.l., works,	ton.	10.00	- —
paper bgs., c.l., works.	ton.	12.00	- —
lumps, bulk, c.l., works.	ton.	7.00	- —
Opium, USP, cns.	lb.	21.30	-21.55
gran., USP, cns.	lb.	22.70	-29.95
powd., USP, cns.	lb.	22.70	-29.95
Orange, cadmium lithopone, bbls., frt alld. E. of Rockies	lb.	1.00	- —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.28	- —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Orange, dinitroaniline toner	lb.	1.15	- —
Molybdate, bbls.	lb.	.89	- —
Orthonitroanilin toner, bbls., kgs., works.	lb.	.90	- —
Persian, bbls.	lb.	.30	- .45
Orange flowers, bls.	lb.	.46	- 48
Orange mineral, American, bbls., 5 tons, ship't point, frt. alld.	lb.	.20¼	- —
smaller lots, bbls., same basis,	lb.	.21	- —
Orange peel, bitter, Haitian, bls.	lb.	.13	- .14
Sweet, bls.	lb.	.14	- .16
Oregano, Italian, bgs.	lb.	.27	- 27½
Mexican, bgs.	lb.	.16	- .16½
Portuguese, bgs.	lb.	.19½	- .20
Orris root, Florentine, bls.	lb.	.34	- .35
powdered, bbls., bxs.	lb.	36	- 37
Verona, bls.	lb.	.22	- .23
powdered, bbls., bxs.	lb.	.24	- .25
Orthoamylphenol, dms., l.c.l., works.	lb.	.37	- —
Orthoanisidin, bbls.	lb.	.70	- —
Orthochloroanilin, dms.	lb.	60	- —
Orthochlorophenol, dms.	lb.	.37	- —
Orthocresol, pure, 30°, dms., c.l., works.	lb.	.26½	- —
l.c.l., works	lb.	.27	- —
tech., 29°-30°, dms., c.l., works.	lb.	.27	- —
l.c.l., works	lb.	.25½	- —
Orthodichlorobenzene, dms., c.l., wks., frt. alld. E. of Rockies.	lb.	07½	- .08
l.c.l., same basis.	lb.	.09½	- .10½
tanks, same basis.	lb.	.07	- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.			
Orthoisopropyl N-phenylcarbamate (see IPC).			
Orthonitroanilin, dms.	lb.	.43	- 55
Orthonitrochlorobenzene, dms.	lb.	.15	- .18
Orthonitrobiphenyl, tech., dms., c.l., works.	lb.	.12	- —
l.c.l., works	lb.	.13	- —
Orthonitroparachlorophenol, cns.	lb.	.75	- —
Orthonitrotoluene, dms.	lb.	.08	- .09
Orthophenetidin, dms.	lb.	90	- —
Orthotoluidin, dms.	lb.	.18	- 21
Osage orange crystals, bbls.	lb.	32	- —
Extract, No. 1, bbls.	lb.	15	- —
Ouabaine, USP, bots.	gram.	3.00	- 4.00
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	6.40	- —
smaller lots, works.	lb.	6.55	- 7.40

P

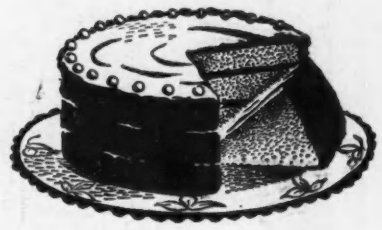
Papain, powd., cs.	lb.	6.00	- 7.25
Papaverine, natural or synthetic, hydrochloride, NF, cns., 1,000 oz. lots.	oz.	7.00	- —
smaller lots.	oz.	7.25	- 7.60
Sulphate, cns.	oz.	7.10	- 7.35
Paprika, Chilean, bgs.	lb.	.31½	Nom.
Portuguese, bgs.	lb.	.40	- .41
Spanish, bgs.	lb.	.44½	- .45
Para-anisidin, dms., works.	lb.	.75	- —
Parachlorophenol, dms., c.l., works.	lb.	.25	- —
l.c.l., works.	lb.	.27½	- .29
Paracresol, 98%, dms., works.	lb.	41	- .65
Paracymene, dms., c.l., works.	lb.	.1595	- —
l.c.l., works.	lb.	.1645	- —
tanks, works.	lb.	.1545	- —
Paradichlorobenzene, dms., c.l., works,	lb.	.12½	- —
l.c.l., same basis.	lb.	.14	- —

Oil, Pimento Berry—Pectin, Citrous

Paraffin, crude, scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery.	lb.	.065	- .09
fully ref'd, slabs, 117-119 ASTM, loose, c.l., refy.	lb.	.05	- —
123-125 ASTM, loose, c.l., refy.	lb.	.0685	- —
125-127 ASTM, loose, c.l., refy.	lb.	.0715	- —
128-130 ASTM, loose, c.l., refy.	lb.	.0740	- —
130-132 ASTM, loose, c.l., refy.	lb.	.0770	- —
133-135 ASTM, loose, c.l., refy.	lb.	.0795	- —
135-137 ASTM, loose, c.l., refy.	lb.	.0800	- —
Prices in bags 4c. lb. higher; l.c.l. prices 1½c. lb. higher.			
Paraformaldehyde, dms., 1,000 lbs., works.	lb.	.21	- —
smaller lots, works.	lb.	.22	- —
Paraldehyde, tech. 98% 55 and 110-gal. dms., l.c.l., works.	lb.	.13	- —
10 gal. dms., l.c.l., works.	lb.	.16	- —
USP, ebys.	lb.	.49	- .62
Paranitroanilin, kgs., works.	lb.	.41	- .43
Paranitrochlorobenzene, kgs., works.	lb.	.15	- —
Paranitrophenol, kgs., works, frt. equald.	lb.	.35	- —
Paranitrotoluene, kgs., works.	lb.	.30	- —
Paraphenylenediamine, tech., kgs., works.	lb.	1.25	- —
Paratoluenesulphonamide, bbls., works.	lb.	.70	- —
Paratoluidin, bbls., works.	lb.	.44	- .53
Paris green dealer, distributor, dms., kgs., c.l. works, frt. alld. E.	lb.	.31	- —
l.c.l., same basis.	lb.	.32	- .33
Passion flower herb, bls.	lb.	.35	- .40
Patchouli leaves, bls.	lb.	.38	- .40
Pectin, citrous, bbls.	lb.	1.25	- —

What helps you...

eat



read

and relax?

This versatile chemical is Calcium Carbonate . . . with a good chance it's Wyandotte Precipitated Calcium Carbonate.

Much of the best baking is done with *baking powder* enriched in calcium through this pure chemical.

The *coated paper* on which many quality magazines are printed owes its whiteness and brightness to pigmentation with this fine Wyandotte Product.

Wyandotte Precipitated Calcium Carbonate is the best reinforcing agent known for many *rubber* products — lending tensile strength and tear resistance to hot water bottles . . . as well as to rubber gloves . . . hospital sheeting. . . . It is also widely used in dentifrices, pharmaceuticals, polishes and plastics. Industry is finding more and more new uses for this versatile chemical.

Discriminating industries have long considered that Wyandotte offers the finest Precipitated Calcium Carbonate on the market. We have recently completed a great, new $2,000,000 plant to increase the supply and availability of this superlative product.

Wyandotte REG. U. S. PAT. OFF.

WYANDOTTE CHEMICALS CORPORATION
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Soda Ash • Caustic Soda • Bicarbonate of Soda • Calcium Carbonate • Calcium Chloride • Chlorine • Hydrogen • Dry Ice • Glycols
Ethylene Dichloride • Propylene Dichloride • Chloroethers • Aromatic Sulfonic Acid Derivatives • Other Organic and Inorganic Chemicals

Penicillin—Phenol

Penicillin, amorph., calcium, bulk, 1,000,000,000 units.. 100,000 units. .19 - —
sodium, bots.....100,000 units. .25 - —
cryst., sodium, bots....100,000 units. .27 - —
bulk, 1,000,000,000 units.....
100,000 units. .21 - —
Pennyroyal leaves, bls.....lb. .24 - .25
Pentachlorophenol, dms., works....lb. .20 - .25
Pentaerythritol, tech., bbls., c.l., works..lb. .32 - —
l.c.l., works.....lb. .34 - .36
Pentane, 28°-38° C., industrial, dms., c.l., group 3..gal. .11 - .14
l.c.l., dms., group 3.....gal. .17 - .30
tanks, group 3.....gal. .07½- .08
Pepper, black, bgs.....lb. .36 - .36½
futures, bgs.....lb. .34½- .34¾
Red, capsicum, Louisiana longs, bgs., shipment point..lb. .20 - .25
sports, bgs.....lb. .24 Nom.
Mombasa, bgs.....lb. .38 - .39
Niger, bgs.....lb. .21½- .22
Sierra Leone, futures.....lb. .23 - .23½
Chillies, Haitian, bgs.....lb. .56 - .57
Mexican, long.....lb. .50 - .51
White, bgs.....lb. .53½- .54
Peppermint, USP, dom., bls.....lb. .75 - .80
imported, bls.....lb. .80 - .85
Perchloroethylene, dms., c.l., zone 1, works, frt. alld..lb. .10¼- —
zone 2, same basis.....lb. .10¾- —
zone 3, same basis.....lb. .11¼- —
zone 4, same basis.....lb. .11¾- —
Perchloroethylene, dms., l.c.l., zone 1, same basis..lb. .10¾- —
l.c.l. zone 1, same basis.....lb. .10¾- —
zone 2, same basis.....lb. .11¼- —
zone 3, same basis.....lb. .11¾- —
zone 4, same basis.....lb. .11¾- —
tanks, zone 1 same basis.....lb. .09¾- —
zone 2, same basis.....lb. .10¼- —
zone 3, same basis.....lb. .10¾- —
zone 4, same basis.....lb. .10¾- —

Perchloroethylene zones are: (1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Peru balsam, dms.....lb. .95 - 1.05
Petrolatum, tech., dark, bbls., c.l., group 3..lb. .021 -
Pennsylvania refy.....lb. .045 -
golden topaz, bbls., c.l.....lb. .032 -
l.c.l.....lb. .076 -
red, veterinary, bbls., c.l.....lb. .021 -
l.c.l.....lb. .028 -
USP, amber, non-ref. dms., c.l....lb. .04½-
Pennsylvania refy.....lb. .047/8-
l.c.l.....lb. .05½-
California.....lb. .08 -
cream, c.l., dms.....lb. .06½-
l.c.l.....lb. .08 -
extra amber, dms., c.l.....lb. .04¾-
l.c.l.....lb. .05¾-
white, lily, dms., c.l.....lb. .07¾-
l.c.l.....lb. .08¾-
Petrolatum, USP, white, snow, dms., c.l..lb. .07¾- —
Pennsylvania refy.....lb. .08¼- —
l.c.l.....lb. .09¼- —
California.....lb. .11¾- —
soft, dms., c.l.....lb. .06¾- —
Pennsylvania refy.....lb. .07½- —
l.c.l.....lb. .07¼- —
California.....lb. .1075- —
yellow, soft, dms., c.l.....lb. .04⅝- —
Pennsylvania refy.....lb. .04⅞- —
l.c.l.....lb. .05⅜- —
California.....lb. .08 - —
Petroleum, crude, bulk, at wells, California, heavy grades..bbl. 1.53 - 2.14
Illinois.....bbl. 1.95 - 2.07
Kentucky, Union county....bbl. 1.97 - 2.02
Louisiana-Arkansas.....bbl. 1.63 - 2.09
Montana.....bbl. 1.55 - 1.95
Oklahoma-Kansas.....bbl. 1.53 - 1.95
Pennsylvania, lower field....bbl. 3.87 - 4.05
Upper field.....bbl. 1.88 - 3.40
Texas, East.....bbl. 1.65 - 1.95
Gulf coast.....bbl. 1.76 - 2.06
North, North-Central.....bbl. 1.53 - 1.95
Panhandle.....bbl. 1.53 - 1.95
West.....bbl. 1.40 - 1.82
Wyoming.....bbl. 1.55 - 1.95
Ether, laboratory, 30°-60° C., ens., dlvd. E..gal. .55 - —
dms., c.l., group 3.....gal. .16 - —
l.c.l., same basis.....gal. .29 - —
35°-60° C. 10-gal. ens., dlvd. E..gal. .55 - —
dms., c.l., Group 3.....gal. .16 - —
l.c.l., same basis.....gal. .29 - —
40°-75° C. 10-gal. ens., dlvd. E..gal. .55 - —
dms., c.l., Group 3.....gal. .16 - —
l.c.l., same basis.....gal. .29 - —

Petroleum fuel oil, bunker C (No. 6), California, heavy, tanks, refinery..bbl. 1.50 - 1.55
light, tanks, refinery.....bbl. 1.70 - 1.75
Eastern, tanks, Albany, N. Y. bbl. 2.42 - —
Baltimore, Md.....bbl. 2.22 - 2.32
Boston, Mass.....bbl. 2.26½- 2.36½
Charleston, S. C.....bbl. 2.13 - —
Jacksonville, Fla.....bbl. 2.08 - 2.18
New York, N. Y.....bbl. 2.22 - 2.32
Norfolk, Va.....bbl. 2.18 - 2.28
Philadelphia, Pa.....bbl. 2.22 - 2.45
Portland, Me.....bbl. 2.36½- 2.36½
Providence, R. I.....bbl. 2.23½- 2.33½
Savannah, Ga.....bbl. 2.13 - 2.23
Oklahoma, tanks, refinery..bbl. 1.64 - 2.50
Diesel, tanks, refinery, California.....gal. .0745- .0795
Pennsylvania.....gal. .075 - .079
Furnace, tanks refinery, Arkansas, No. 2..gal. .0663- —
No. 3.....gal. .0638- —
Bayonne, N. J., No. 2.....gal. .072 - —
Group 3, No. 1.....gal. .0675- .0700
No. 2, straw.....gal. .0662½- .0675
No. 3.....gal. .0625- .0650
Oklahoma, No. 1, p.w.....gal. .0687- .0785
No. 1, straw.....gal. .0700- —
No. 2, straw.....gal. .0650- .0789
No. 3.....gal. .0625 - —
range.....gal. .0700- .07125
Pennsylvania, No. 1.....lb. .0875- .0900
No. 2.....gal. .0825- .0900
No. 3.....gal. .0850- .0900
Lacquer diluent, California, 110 l.b.n., 200 c.p., tanks, dlvd, Los Angeles.....gal. .118 - —
Portland, Ore.....gal. .128 - —
San Francisco.....gal. .11½- —
Seattle, Wash.....gal. .128 - —
East coast, tanks, N. J. and N. Y. refinery.....gal. .13 - .13½
Group 3, benzol-type, tanks, refinery..gal. .0987½-.1062½
toluol-type, tanks, refinery..gal. .0937½-.1012½
Mineral spirits, California, tanks, San Francisco, 170-250 b.r...gal. .123 - —
205-290 b.r.....gal. .123 - —
241-362 b.r.....gal. .123 - —
307-360 b.r.....gal. .113 - —
312-402 b.r.....gal. .113 - —
362-458 b.r.....gal. .113 - —
East coast, tanks, N. J., N. Y. refinery.....gal. .12½- .13
tankwagon, Baltimore.....gal. .15 - —
Boston.....gal. .13½- .14
Buffalo.....gal. .14 - .14½
Camden, N. J.....gal. .12½- —
Chicago.....gal. .159 - —
Detroit.....gal. .152 - —
Kansas City, Mo.....gal. .15½- —
Lancaster, Pa.....gal. .13½- —
Newark.....gal. .12½- —
New York.....gal. .12½- .13
Philadelphia.....gal. .12½- —
Pittsburgh.....gal. .14 - —
Providence.....gal. .14 - —
Rochester.....gal. .15 - —
St. Louis.....gal. .161 - —
Syracuse.....gal. .16 - .16½
Washington, D. C.....gal. .15 - —
Group 3, tanks, refinery.....gal. .07⅞- .08⅛
Gulf coast, tanks, refinery.....gal. .07⅞- —
Naphtha, cleaners, California, tanks, San Francisco..gal. .123 - —
East coast, tanks, N. J., N. Y., refinery..gal. .11 - .11⅛
tankwagon, Newark.....gal. .06½- —
Chicago.....gal. .14⅛- —
Detroit.....gal. .15½- —
New York.....gal. .12 - .13
Philadelphia.....gal. .125 - —
Group 3, tanks.....gal. .08⅞- .09⅛
tankwagons, St. Louis....gal. .1470- —
High-flash, 140° F, group 3 refinery, tanks..gal. .12 - .12⅛
High-solvency, tanks, refinery, N. J., 200-285 b.r., 98-100 mixed anlin pt.....gal. .18 - .18⅛
78 m.a.p.....gal. .20 - —
270-370 b.r., 78-81 m.a.p. gal. .21 - —
66 m.a.p.....gal. .23 - —
305-400 b.r., 78-85 m.a.p. gal. .21¼- .21½
340-440 b.r., 90 m.a.p...gal. .21½- —
78 m.a.p.....gal. .25½- —
V.M.&P., at refinery, California, 46.5, 254-380 b.r., tanks, El Segundo..gal. .12 - —
Richmond.....gal. .12½- —
Portland, Ore., Seattle, Wash..gal. .12 - —
64-77, 190-310 b.r., tanks, Los Angeles..gal. .11 - —
San Francisco.....gal. .11½- —
Portland, Seattle.....gal. .12 - —
East coast, N. J., N. Y., tanks, gal. .12½- .13
Group 3, tanks.....gal. .08⅞- .09⅛
Gulf coast, tanks, New Orleans..gal. .10 - —
tankwagon, Boston.....gal. .145 - .15
Chicago.....gal. .162 - —
Detroit.....gal. .174 - —
Milwaukee.....gal. .178 - —
Minneapolis.....gal. .176 - —
Newark.....gal. .14 - —
New York.....gal. .135 - .14
Philadelphia.....gal. .14 - —
Pittsburgh.....gal. .15 - —
St. Louis.....gal. .171 - —
Solvent, rubber, at refinery California, tanks, San Francisco..gal. .11½- —
East coast, N. J., N. Y., tanks..gal. .12½- .13
Group 3, tanks.....gal. .08⅝- .09⅛
Stoddard (C.S. 8-38), at refinery, California tanks, San Francisco..gal. .12 - —
East coast, N. J., N. Y. tanks..gal. .12½- .13
Group 3, tanks.....gal. .0837½-.0862½
Pennsylvania, western, tanks gal. .0950- .0975
tankwagon, Boston.....gal. .13 - —
Chicago.....gal. .141½- —
Detroit.....gal. .146½- —
Milwaukee.....gal. .157½- —
Minneapolis.....gal. .154 - —
Newark.....gal. .121½- —
New York.....gal. .12½- .13
Philadelphia.....gal. .12½- —
Pittsburgh.....gal. .13 - —
Pittsburgh.....gal. .14 - —
St. Louis.....gal. .16 - —
Syracuse.....gal. .16 - .16½
Sulphonates, 68% sulphonic content, ref. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09⅝- .10¾
60% sulphonic content, ret. dms., c.l., works..lb. .09⅝- —
l.c.l., works.....lb. .09¾- .10¾
tanks, works.....lb. .09½- —
Phenobarbital, dms., 100 lbs.....lb. 3.50 - 4.50
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald. ..lb. .11¾- .12¼
l.c.l., same basis.....lb. .12½- .12⅝
tanks, same basis.....lb. .10½- .11⅛
82-84% (cresol, 16-18%), dms., c.l., same basis.....lb. .11½- .12⅛
l.c.l., same basis.....lb. .12½- .13⅛
tanks, same basis.....lb. .11 - .11⅝
USP, dms., c.l., same basis.....lb. .11¼- .13
l.c.l., same basis.....lb. .12 - .13¾
tanks, same basis.....lb. .10½- .11⅝

VELSICOL

Aromatic

PETROLEUM SOLVENTS

Experience, proficiency, and reliability have made the Velsicol Corporation a source of the highest quality Aromatic Petroleum Solvents. To serve the exacting needs of the protective coating and allied industries, Velsicol offers a complete series of Aromatic solvents—in progressive boiling ranges and solvent power to meet your specific requirements.

Solvents
FOR NATURAL AND SYNTHETIC RESINS CHLORINATED RUBBER

Thinners
FOR LACQUERS, ALUMINUM VEHICLES AIR-DRY AND BAKING ENAMELS

SPECIFICATIONS	VELSICOL 1-C	VELSICOL 2-D	VELSICOL 3-C	VELSICOL 4-A
Gravity, A.P.I. @ 60° F.	32 - 33	34 - 37	32 - 35	16 - 20
SPECIFIC GRAVITY @ 15.5° C.	.860 - .865	.839 - .855	.849 - .865	.934 - .960
FLASH POINT	40 - 45° F. (T.C.C.)	80° F. Min. (T.C.C.)	100° F. Min. (T.C.C.)	155° F. Min. (Pensky-Marten)
K. B. VALUE (Toluol - 100)	99 - 100	72 - 76	70 Min.	100
ASTM Distillation IBP 10% 50% 90% FBP	224° F. Min. 226 - 230° F. 228 - 232° F. 228 - 232° F. 235° F. Max.	275° F. Min. 285 - 295° F. 300 - 315° F. 335 - 345° F. 374° F. Max.	325° F. Max. 330 - 340° F. 345 - 355° F. 370 - 380° F. 398° F. Max.	390° F. Max. 415 - 425° F. 430 - 440° F. 455 - 465° F. 475° F. Max.
COLOR	+ 24 Saybolt	+ 24 Saybolt	+ 21 Saybolt	Straw

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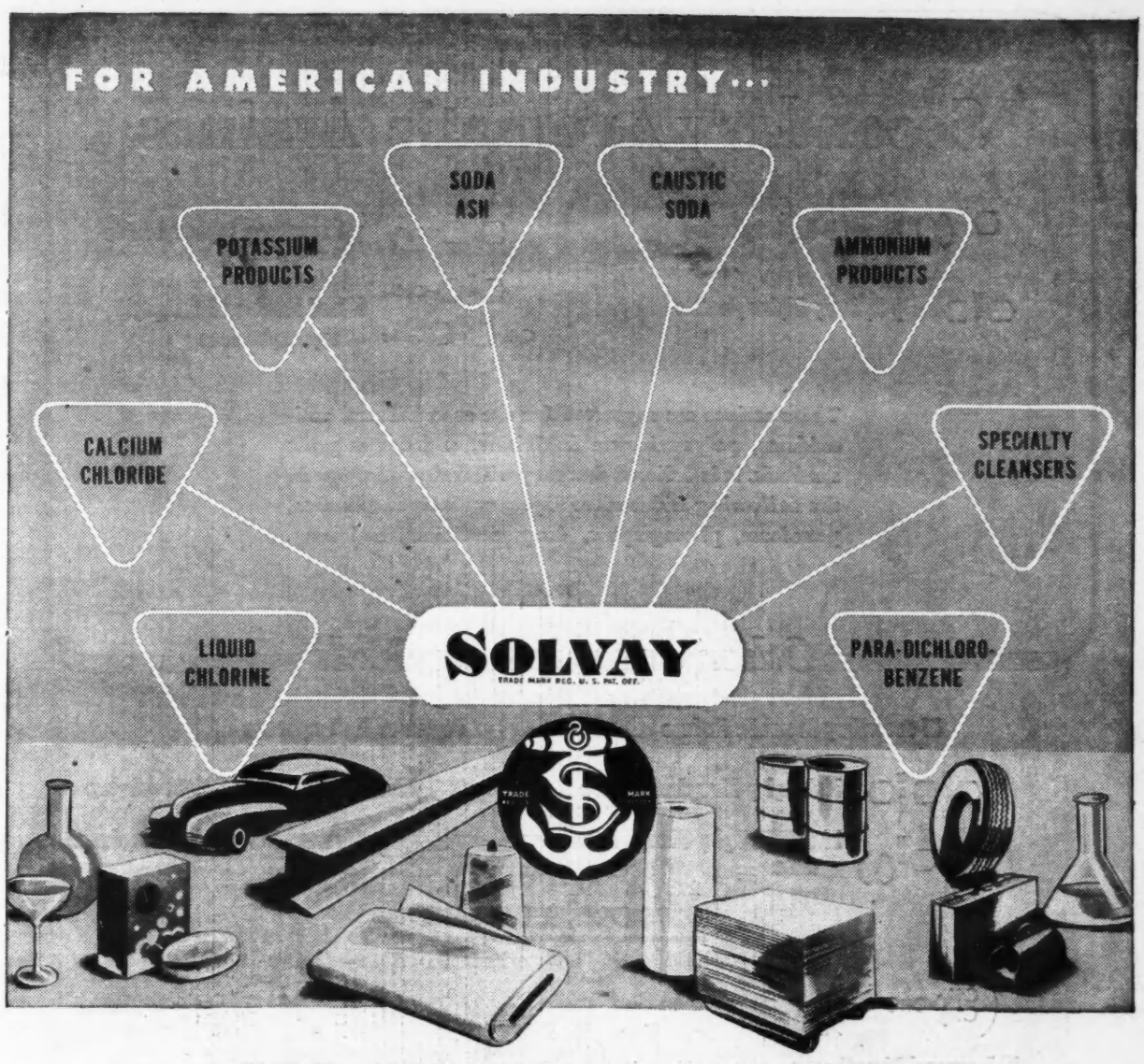
Phenolphthalein, USP, bbls., dms., 2,000 lbs. ..lb. .85 - —
smaller lots .....lb. .87 - .92
yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots .....lb. .82 - .87
Phenothiazin, NF, fib. dms., ton lots, works..lb. .49 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde solution, 50%, bots. lb. 2.35 - 2.70
pure, bots. .....lb. 4.00 - 4.40
Phenylethyl acetate, dms.....lb. 2.15 - 2.70
Phenylethylphenyl acetate, bots.....lb. 4.50 - 6.00
Phenylhydrazin base, CP, bots.....lb. 4.55 - —
Hydrochloride, CP, bots., works...lb. 7.10 - —
commercial, kgs., works.....lb. 1.75 - —
Phloroglucinol, CP, fib. dms.....lb.13.75 -14.75
tech., fib. dms.....lb.10.00 -12.50
Phosgene, 150-lb. cyls., works.....lb. .20½ - .35
10-lb. cyls., works.....lb. 1.00 - —
Phosphate, defluorinated (see under D.).
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-69%, b.p.l., bulk; c.l., car at mine..long ton. 3.34 - 3.49
70%-68%, b.p.l., c.l., same basis..long ton. 3.74 - 3.89
72%-70%, b.p.l., c.l., same basis..long ton. 4.34 - 4.49
75%-74%, b.p.l., c.l., same basis..long ton. 5.34 - 5.49
77%-76%, b.p.l., c.l., same basis..long ton. 6.34 - 6.49
Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble 50c. per long ton higher than above quotations.
finely ground 65.5% b.p.l., basis 30% P_2O_5 minimum.. short ton. 5.00 - —
68%, b.p.l., basis 31% P_2O_5 minimum..short ton. 5.20 - —
70%, b.p.l., basis 32% P_2O_5 minimum..short ton. 5.55 - —
Tennessee, brown, run-of-mine, unground, 70-68% b.p.l., 5½% i. & a., same basis..long ton. 5.50 - —
72%-70%, b.p.l., 5½% i. & a., same basis..long ton. 6.00 - —
29% P_2O_5, same basis..... long ton. 5.15 - —
30% P_2O_5, same basis..... long ton. 5.35 - —
finely ground, 31% P_2O_5, same basis..short ton. 5.45 - —
32% P_2O_5, same basis..... short ton. 5.70 - —
33% P_2O_5, same basis..... short ton. 6.20 - —
Phosphorus, red, amorphous, cs.....lb. .33 - .35
tins, export.....lb. .40 - .45
Yellow, cns. .....lb. .25 - .27
dms., c.l. .....lb. .22 - —
Oxychloride, dms., c.l.....lb. .10½ - —
Pentoxide, dms., c.l., works....lb. .12 - —
l.c.l., works .....lb. .13 - .14
Sesquisulphide, tins, cs.....lb. .26 - .27
Trichloride, dms., c.l.....lb. .10½ - —
l.c.l. .....lb. .12½ - .15
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald..lb. .14½ - .17½
l.c.l., same basis.....lb. .15½ - .18½
Picbi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots. .....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vials..oz. 6.50 - 7.50
Nitrate, bots., vials.....oz. 6.25 - 7.25
Pimento, Jamaica, bgs.....lb. .23 - .23½
Pinetar, retort dms. incl., c.l., works, South..gal. .39½ - —
l.c.l., same basis.....gal. .41½ - —
whse., N.Y.C. .....gal. .50½ - —
tanks, works, South.....gal. .33½ - —
Pinkroot, bls. .....lb. 1.10 - 1.15
Pinerazine hexahydrate, bots.....lb.12.00 -12.50
Pitch, coaltar, 150° m.p., bbls., c.l., works..ton.25.25 - —
l.c.l., works .....ton.28.25 - —
Cottonseed, dms., works.....lb. .10½ - .10¾
Hardwood, paper bgs., works....lb. .04 - —
Linseed, dms.....lb. No prices
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East....100 lbs. 6.90 - —
Soybean, dms., works.....lb. .10¼ - .10½
Plaster of paris (see Gypsum).
Podophyllin, dms. .....lb.13.50 -13.75
Pokeroot, bls. .....lb. .21 - .22
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld..lb. .31½ - —
20,000 lbs., same basis.....lb. .32½ - —
smaller lots, same basis.....lb. .33½ - .35½
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate root bark, bgs.....lb. .75 - .76
Poppy flowers, bls.....lb. .60 - .70
Seed, Argentine, bgs.....lb. .19 - .19½
Danish, bgs. .....lb. .20 - .20½
Dutch .....lb. .23 - .23½
Turkish, bgs.....lb. .21 Nom.
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works..100 lbs. 9.50 - —
l.c.l., works.....100 lbs.19.25 - —
liquid, dms., c.l., works...100 lbs. 8.75 - —
l.c.l., works.....100 lbs. 9.50 - —
tanks, works.....100 lbs. 8.25 - —
solid, 90%, dms., c.l., works... 100 lbs. 8.75 - —
l.c.l., works.....100 lbs. 9.50 - —
regular, flake, 88-92%, dms., c.l., works..lb. .07½ - —
l.c.l., works.....lb.08¼ - —
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .0337½ - —
l.c.l., same basis.....lb. .03¾ - —
tanks, same basis.....lb. .03½ - —
solid, 88-92%, dms., c.l., works.lb. .06¾ - —
l.c.l. .....lb. .07½ - —
Potassium abietate.....lb. .08 - —
Acetate, USP, dms.....lb. .32 - .34
Bicarbonate, USP, gran., dms....lb. .20 - .22
powd., dms.....lb. .22 - .24
Bichromate, bgs., c.l., works.....lb. .10¾ - —
l.c.l., works .....lb. .10¾ - .11½
Potash bichromate in bbls., ¾c. higher.
Borate, gran., bbls., c.l., works..ton.200.00 - —
ton lots, works.....ton.218.50 - —
less ton lots works.....ton.223.50 - —
Bromide, USP, cryst., gran., bbls., dms..lb. .25 - .26
Carbonate, tech., calcined, bbls., c.l., works..lb. .07¼ - —
l.c.l., same basis.....lb. .08 - —
hydrated, 83-85%, bbls., c.l., works..lb. .05¾ - —
dms., l.c.l., works.....lb. .06½ - —
USP, gran., bbls., dms.....lb. .14 - .19
powd., bbls., dms.....lb. .20 - .25
Chromate, tech., bgs.....lb. .25 - .29
Chlorate, cryst., kgs., c.l., works..lb. .08½ - —
l.c.l., works.....lb. .09¾ - —
powd., dms., kgs., c.l., works..lb. .09 - —
l.c.l., works.....lb. .09¾ - —
export, kgs., 1 to 10 tons, ex whse..lb. .12 - —
Chloride, tech., cryst., 98%, bgs., kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms..lb. .35½ - .40½
Potash citrate, USP, powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% solution, cbys. lb. 2.30 - —
Guaiacolsulphonate, NF, dms....lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, sticks, dms.....lb. .34 - .36

Potassium hypophosphite, cns.....lb. .72 - .75
Iodide, dms.....lb. 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines..unit-ton. .21 - —
Metabisulphite, gran., bbls.....lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M..unit ton. .37½ - —
Trona, Cal.....unit ton. .45½ - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms..lb. .28 - .34
Perchlorate, kgs., works.....lb. .10 - .11
Permanganate, tech., dms., works.lb. .20¾ - .21¼
USP, dms., works.....lb. .22½ - .23
Persulphate, dms., c.l., works....lb. .16 - —
l.c.l., works.....lb. .20 - —
Phosphate, tetrabasic, bbls., works.lb. .13 - .13½
Prussiate, red, kgs.....lb. .55 - .58
Yellow, bbls... .....lb. .19 - —
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works..ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
Silicate, solut., 29° Be. dms., l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —

Potassium sulphate, NF, cryst., bbls. lb. .30½ - .33¼
powd., bbls. .....lb. .14½ - .17
tech., dom., bulk, basis 90-95% K_2O, min. 90%, ex vessel Atlantic or Gulf ports...ton.36.25 - —
West coast ports.....ton.39.25 - —
Sulphocyanide, cryst., N.F., dms..lb. .62 - .70
Thiocyanate (see sulphocyanide).
Xanthate, dms., c.l.....lb. .12 - —
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4 18-50% MgO, ex vessel, ports..ton.26.00 - —
Potassium-sodium ferricyanide, kgs., works..lb. .45 - .48
Potassium-sodium tartrate (see Rochelle salt).
Potassium - titanium oxalate, bbls., dms..lb. .50 - .55
Prickly ash bark, bls.....lb. .33 - .34
Berries, bgs. .....lb. .20 - .21
Prince's pine herb, bls.....lb. .55 - .60
Procaine hydrochloride, cns., 100-lb. lots..lb. 5.00 - 5.10
Propane, commercial grade, tanks, group 3..gal. .06½ - —
Propylene oxide, dms., c.l., frt. equald..lb. .19 - —
l.c.l., same basis.....lb. .20 - .21
tanks, frt. equald.....lb. .17½ - —
Propyleneglycol, dms., c.l., frt. alld. E..lb. .16 - —
l.c.l., same basis.....lb. .16½ - .18
tanks, same basis.....lb. .14½ - —
Psyllium seed (see Fleaseed).
Pulsatilla herb, bls... .....lb. .60 - .65
Pumice, dom., grd., coarse, 0½, 1, 1½, 2, 3, bgs., ton..lb. .03¾ - —
Chicago .....lb. .04½ - —
smaller lots.....lb. .03¾ - .04¼

Phenolphthalein—Pyronate

Pumice, dom., grd., fine, bgs., ton..lb. .03¾ - —
smaller lots.....lb. .03¾ - .04
Italian, silk-screen, fine, bgs., ton..lb. .04 - —
coarse, bgs., ton.....lb. .05½ - —
sun-dried, fine, bgs., ton.....lb. .03 - —
coarse, bgs., ton.....lb. .04½ - —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed bgs. .....lb. .27 - .29
Purple lake (see Red)
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works.lb. 9.25 - 9.30
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works..gal. 6.50 - —
regular base, dms., works..gal. 6.65 - —
(30 to 1), base 3 grams pyrethrins, per 100 cc. odorless base, bbls., works..gal.10.00 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾ - —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.90
refd., 2°, ret. dms., same basis..lb. .60 - .65
Pyridoxin hydrochloride, 100-gram lots, kilo.650.00 - —
Pyrites, Spanish, c.i.f. Atl. ports, long-ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., c.l., divd. E. of Miss. gal. .70 - —
l.c.l., works.....gal. .70 - —
tanks, divd., E. of Miss.....gal. .60 - —
Pyronate prices W. of Miss. 3c. per gal. higher.



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Pyrophyllite—Serpentaria Root

Pyrophyllite, standard, 200 mesh, bulk, c.l., mines..ton.11.00 -12.00
325 mesh, bulk, c.l., mines....ton.14.00 - —
No. 3, 200 mesh, bulk, c.l., mines. ton. 9.00 - —
325 mesh, bulk, c.l., mines....ton.11.00 - —
Pyrophyllite in paper bags., $2.00-$2.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., works...lb. .14 - —
white, china, ivory, cs., works. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, colorless, cs., works. lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, opaque, amber, cs., works. lb. .17 - —
mixed colors, cs., works.....lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .07 - .09
Quebracho extract, clarified, grd., bgs., c.l., basis 70% tannin..lb. .13½- —
liq., bbls., works, basis 35% tannin..lb. .06³/₈- —
tanks, same basis.....lb. .66 - —
lump, bgs., c.l., ex dock in bond, basis 64% tannin..lb. No prices
powd., bgs., c.l., basis 70% tannin..lb. .14½- —
Quebracho extract, ordinary, lump, bgs., c.l., ex dock in bond, basis 63% tannin..lb. .0621- .0650

Quebracho extract prices are based on $31 freight and $1 insurance per long ton.

Queen of the meadow root bgs.....lb. .12 - .13
Quercitron crystals bbls.....lb. .32 - —
Extract, No. 1, bbls.....lb. .14 - —
solid, bxs.....lb. .27 - —
Quicksilver, flasks (76 lbs. net)..flask.84.00 -85.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine, NF V, cryst., cns.....oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. .95 - 1.15
Quinine, NF, cns., 100 ozs.....oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs....oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Dihydrobromide, bots., 50 ozs.....oz. No stocks
Dihydrochloride, USP.....oz. No stocks
Ethylcarbonate, NF, cns., 100 ozs.oz. No stocks
Ferrocyanide, cns., 100 ozs.....oz. No stocks
Formate cns., 100 ozs.....oz. No stocks
Hydrobromide, NF, cns., 50-oz. cans. oz. No stocks
Hydrochloride, USP, cns., 100 ozs.oz. .89½- —
Hydrochlorosulphate, cns., 100 ozs.oz. No stocks
Hydroiodide, cns., 100 ozs.....oz. No stocks
Hypophosphite, cns., 100 ozs.....oz. No stocks
Phosphate, NF, cns., 100 ozs.....oz. No stocks
Salicylate, NF, cns., 100 ozs.....oz. No stocks
Sulphate, USP, cns., 100 ozs.....oz. .80½- —
Sulphocarbolate, cns., 100 ozs....oz. No stocks
Tannate, USP X, cns., 100 ozs....oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs.....oz. No stocks
Quinine-urea hydrochloride, NF, cns.oz. No stocks
Quinolin, dms., c.l., works.....lb. .32 - .50

R

R salt, dry, bbls.....lb. .61 - .72
paste, dms.....lb. .57 - —
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.45 - 2.10

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies. lb. 1.26 - —
light shade, bbls., same basis. lb. 1.10 - —
maroon, bbls., same basis....lb. 1.35 - 1.45
medium shade, bbls., same basis. lb. 1.20 - —
medium-light shade, bbls., same basis..lb. 1.15 - —
orange-red, bbls., same basis. lb. 1.05 - —

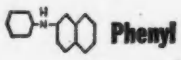
Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.

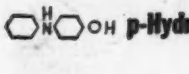
Carmine, No. 40, dms., works....lb. 5.50 - 5.65
smaller containers, works.....lb. 6.10 - 6.15
Crocus martis (see Red, purple, oxide).
Dyes (see Dyes, coaltar).
Red, eosin toner, bbls., works.....lb. 1.35 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y.. lb. .11¼- —
English, all shades.....lb. .16 - —
Iron oxide, pure, bbls.....lb. .10 - .10¼
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., E. St. Louis, and Trenton, N. J. lb. .06¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .094
synth., bgs., c.l., works.....lb. .10 - .10¼
Lake C toner, alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works.....lb. .70 - —
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.30 - —
Maroon, alizarin lake, 25%, bgs., works..lb. .40 - .43
toner, bbls., works.....lb. 1.35 - 1.50
Cadmium, deep, bbls., works...lb. 1.20 - —
regular, bbls., works.....lb. 1.10 - —
MNPT toner, bgs., works.....lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.30 - —
smaller lots, works.....lb. 2.32 - —
Metallic, bbls., works.....lb. .02 - —
Oxide (see Red, iron oxide).
Oxide, Persian gulf, bgs., works..lb. .06¾- —
Para toner bbls.....ib. .80 - —
chlorinated, kgs.....lb. .95 - .97
concentrated, alizarin lake, kgs., works..lb. .80 - —
Phloxin toner (see Red, eosin toner).
Phosphotungsic, rhodamine Y, kgs., works..lb. 4.45 - —
Pink lake, alizarin, bbls., works..lb. .20 - .25
Purple lake, kgs.....lb. 1.35 - —
Rose lake, alizarin, bbls., works..lb. .27 - .28
Scarlet ink toner, kgs., works..lb. .55 Nom.
Spanish oxide, grade I, c.l., bbls..lb. .05¼- .06¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .21 - .23
Venetian, 15%, bgs., works.....lb. .0300- —
20%, bgs., works.....lb. .0310- —
25%, bgs., works.....lb. .0340- —
30%, bgs., works.....lb. .0365- —
35%, bgs., works.....lb. .0395- —
40%, bgs., works.....lb. .0420- —
Vermilion, Amer., bbls.....lb. .22¼- .48
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., fib. dms. lb. 2.48 - 2.50
Red saunders, wood, grd., bbls.....lb. .35 - —
Resorcinol, tech., dms., works.....lb. .68 - —
USP, cryst., dms., works.....lb. 1.70 - —
Rhatany root, bgs.....lb. .11 - .12
Rhubarb root, whole, cs.....lb. .80 - .85
powd., bbls.....lb. .90 - .95
Riboflavin, bots.....kilo.150.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif.lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs..lb. .34½- —
smaller lots.....lb. .35 - —
Rose flowers, pale, bls.....lb. .24 - .26
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .13 - .13½
Portuguese, bls.....lb. .07½- .08
Spanish, bls.....lb. .13 - .13½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works..100 lbs. 4.50 - —
FF, dms., c.l., works.....100 lbs. 6.50 - —
G, H, I, dms., c.l., works..100 lbs. 7.30 - —
K, dms., c.l., works.....100 lbs. 7.30 - —
M, dms., c.l., works.....100 lbs. 7.30 - —
N, dms., c.l., works.....100 lbs. 7.35 - —
WG, dms., c.l., works.....100 lbs. 7.35 - —
WW, dms., c.l., works.....100 lbs. 7.40 - —
X, dms., c.l., works.....100 lbs. 7.50 - —
Rotenone, bbls., works.....lb.20.00 -24.00
Extract, liq., dms., works..per unit. 1.75 - —
Powder (see Cube root).
Rottenstone, bgs., c.l., mines....ton.36.00 - —
l.c.l., mines.....ton.43.00 - —
Rue herb, bls.....lb. .45 - .48
Rutin, bots.....gram. .28½- .60

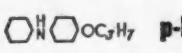
S

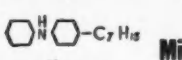
Sabadilla seed, powd., bbls.....lb. .75 - .82
activated ground with lime, bbls.lb. .42 - .50
Saccharin, insoluble and soluble, dms., 1,000 lbs..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.50
Safflower (see Saffron, Mexican).
Saffron, Mexican, bls.....lb. 1.55 - 1.60
Spanish, USP, tins.....lb.37.00 -38.00
boxes.....15 oz.31.00 -31.50
Safrol, cns.....lb. 1.00 - 1.45
Sage, Cyprian, good, bls.....lb. .14½- .15
futures, bls.....lb. .15 - .15½
Dalmatian, bls.....lb. .30 - .32
Greek, fancy, bls.....lb. .16 - .16½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .13½- .14
Sago flour, bgs.....lb. .07¾- .08½
Salicin, bots.....lb. No stocks
cns.....lb. No stocks
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. 1.00 - —
fib. dms.....lb. 1.02 - 1.03
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.17.50 - —
l.c.l.....ton.21.70 - —
Table, vacuum, common, fine, bgs., c.l..ton.18.60 - —
l.c.l.....ton.25.10 - —
Saltcake, dom., bulk, works.....ton.20.00 -26.00
Chrome (see Chrome cake).
Saltpeter, cryst., bbls., 10 tons, 100 lbs.12.40 - —
smaller lots.....100 lbs.12.65 -12.90
gran., bbls., 20 tons.....100 lbs. 8.00 - —
smaller lots.....100 lbs. 9.00 - 9.50
powd., bbls., 20 tons.....100 lbs. 9.00 - —
smaller lots.....100 lbs.10.00 -10.50
Saltpeter in bags is 25c. per 100 lbs. less than in barrels; in kegs it is $1 more.
Sanguinarine nitrate, bots.....oz. 4.75 - 5.50
Santonin, cryst., powd., cns.....kilo.175.00 -185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls.....lb. .45 - .50
Honduras, bls.....lb. .60 - .61
Mexican, bls.....lb. .57 - .60
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls.....lb. .65 - .70
Savory, French, bls.....lb. .21 Nom.
Saw palmetto berries, bgs.....lb. .23 - .24
Scammony resin, lump, cns.....lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .13 - .14
Schaeffer's salt, bgs.....lb. .60 - —
Seidlitz mixture, bbls., 5,000 lbs...lb. .27¾- —
smaller lots.....lb. .28¼- —
kegs, 5,000 lbs.....lb. .28¼- —
smaller lots.....lb. .28¾- —
Selenium, powd., cns., 10-lb. lots..lb. 2.10 - —
cs., 1,000-lb. lots.....lb. 2.00 - —
Senega root, bls.....lb. 2.25 - 2.30
Senna leaf, Alex., half-leaf, bls...lb. .26 - .27
siftings, bgs.....lb. .23 - .24
Tinnevelly, No. 1, bls.....lb. .22 - .24
No. 2, bls.....lb. .20 - .22
No. 3, bls.....lb. .18 - .20
Pods, bls.....lb. .53 - .54
Serpentaria root, bls.....lb. No stocks

Secondary Aromatic Amines


Phenyl B-Naphthylamine


p-Hydroxy Diphenylamine

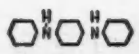

p-Isopropoxy Diphenylamine

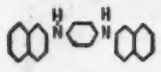

Mixed Mono and Diheptyl Diphenylamines

These amines are suggested for use as stabilizers, antioxidants, polymerization inhibitors, and for organic synthesis. It is believed that they will find wide usage in the following industries: Dyes, explosives, plastics, petroleum, photographic, drug, medicinal, and soap.

Other organic chemicals

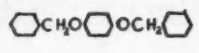
Di-secondary Aromatic Amines


Diphenyl p-Phenylenediamine

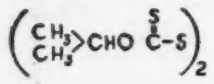

Di B-Naphthyl p-Phenylenediamine

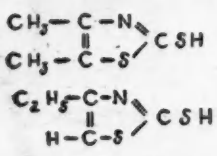
Ethers of Hydroquinone

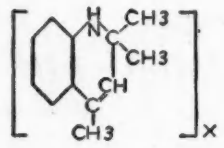
Monobenzyl Ether of Hydroquinone

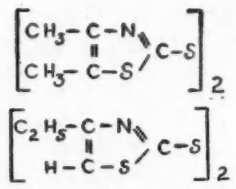

Dibenzyl Ether of Hydroquinone

Miscellaneous


Di-Isopropyl Dixanthogen


Mixed Ethyl and Dimethyl Mercaptothiazoles


Trimethyl Dihydro Quinoline Polymer


Mixed Aliphatic Thiazyl Disulfides

N-Nitroso Diphenylamine

All materials listed here are available in commercial quantities. Prices and technical information are available on request. Please write Dept. CH-2, B. F. Goodrich Chemical Company, Rose Building, Cleveland 15, Ohio.

B. F. Goodrich Chemical Company

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GEON polyvinyl materials • HYCAR American rubber • KRISTON thermosetting resins • GOOD-RITE chemicals

Shellac, bleached, bonedry, bgs., 1,500-lb. lots..lb. .58½ - —
bbls., 1,500-lb. lots.....lb. .59 - —
kgs., 1,500-lb. lots.....lb. .61 - —
refined, bgs., 1,500-lb. lots.....lb. .66½ - —
bbls., 1,500-lb. lots.....lb. .67 - —
kgs., 1,500-lb. lots.....lb. .69 - —
bonedry shellac sales of less than 1,500 lbs., at following additions to prices:—1c., more for bgs., bbls., or kgs.
Lemon No. 1, bgs.....lb. .58 - —
No. 2, bgs.....lb. .57 - —
Superfine, bgs., 10 lbs.....lb. .52 - —
TN, bgs., 10 lbs.....lb. .50 - —
Shellac in 1 to 9 bgs., 1c. more.

Silica, amorph., dry-grd. 325 mesh, bgs., c.l., Ill. works..ton.20.00 -35.00
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works...ton.22.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 320 mesh, bgs., c.l. works..ton.18.00 - —
l.c.l., works.....ton.21.00 - —
96-98% 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99% 325 mesh, bgs., c.l., works. ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
400 mesh, bgs., c.l., works...ton.30.00 - —
l.c.l., works.....ton.35.00 -38.00
hard-quartz, 99½% 325 mesh, bgs., c.l., works..ton.15.50 - —
l.c.l. works.....ton.18.50 - —
140 mesh, bgs., c.l., works....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Tetrachloride, tech, dms., c.l., works..lb. .15½ - —
l.c.l., works.....lb. .16½ - .27
Silver bullion ingots, cs.....oz. .69¼ - —
Cyanide, cns.....oz. .55⅝ - .56⅝
Nitrate, USP, bots., 2,500-oz. lots, oz. .44⅞ - —
1,000-oz. lots .....oz. .46⅛ - —
500-oz. lots .....oz. .46⅜ - —
250-oz. lots .....oz. .46⅝ - —
Proteinate, mild, USP, bots., dms., 1,000-oz. lots..oz. .45 - —
strong, bots., dms., 1,000-oz lots. lb. .40 - —
Simarubra bark, bls.....lb. .85 - .86
Skullcap herb Eastern, bls.....lb. .85 Nom.
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .44 - .45
Slate flour, bgs., c.l., works.....ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 - —
Sloe berries, bgs.....lb. .39 - .40
Smalt, black, ctns.....lb. .11 - —
Blue, ctns.....lb. .16 - —
Snakeroot, Canada, bls.....lb. .63 - .65
Soapbark, bls.....lb. .24 - .25
crushed, bls., bbls.....lb. .32 - .33
cut, foreign, bbls.....lb. .32 - .33
powd., bbls.....lb. .30 - .31
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.28 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.63 - —
2 .....100 lbs. 2.78 - —
3 .....100 lbs. 3.13 - —
4 .....100 lbs. 3.73 - —
bbls., c.l., works.....100 lbs. 1.68 - —
l.c.l., zone 1.....100 lbs. 3.03 - —
2 .....100 lbs. 3.18 - —
3 .....100 lbs. 3.53 - —
4 .....100 lbs. 4.13 - —
bulk, c.l., works.....100 lbs. 1.08 - —
extra light, 58%, paper bgs., c.l., works..100 lbs. 1.30 - —
l.c.l., dlvd., zone 1..100 lbs. 2.65 - —
2 .....100 lbs. 2.80 - —
3 .....100 lbs. 3.15 - —
4 .....100 lbs. 3.75 - —
light, 58%, paper bgs., c.l..100 lbs. 1.20 - —
l.c.l., dlvd., zone 1....100 lbs. 2.55 - —
2 .....100 lbs. 2.70 - —
3 .....100 lbs. 3.05 - —
4 .....100 lbs. 3.65 - —
bbls., c.l., works.....100 lbs. 1.00 - —
l.c.l., dlvd., zone 1....100 lbs. 2.95 - —
2 .....100 lbs. 3.10 - —
3 .....100 lbs. 3.45 - —
4 .....100 lbs. 4.05 - —
bulk, c.l.....100 lbs. 1.00 - —
Soda ash prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse. Sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones: Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.00 - —
l.c.l., dlvd. zone 1.....100 lbs. 4.35 - —
zone 2.....100 lbs. 4.50 - —
zone 3.....100 lbs. 4.85 - —
zone 4.....100 lbs. 5.45 - —
liquid, 60%, sellers' tanks, works, dry basis..100 lbs. 2.00 - —
70%, sellers' tanks, works, dry basis..100 lbs. 2.10 - —
solid, 76%, dms., c.l., wks..100 lbs. 2.00 - —
l.c.l., dlvd. zone 1.....100 lbs. 3.95 - —
zone 2.....100 lbs. 4.10 - —
zone 3.....100 lbs. 4.45 - —
zone 4.....100 lbs. 5.05 - —
Prices f.o.b. stock points in zones indicated, minimum quantity 500 lbs; for less than 500 lbs., prices are ex-warehouse. Soda caustic zones are same as soda ash.

Sal, bgs., c.l.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls., c.l.....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Sodium acetate, anhyd., dms., dlvd..lb. .06½ - .10
cryst., NF, bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05½ - .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works.....lb. .42 - —
white, powd., dms, works.....lb. 1.50 - 1.60
Alkylbenzene-sulphate, dms., works, lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.60 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.50 - 8.00
Antimoniate, bbls., c.l., dlvd.....lb. .27 - —
l.c.l., dlvd.....lb. .27¾ - —
Arsenate, dealers, dms., c.l., works, lb. .12 - —
l.c.l., works.....lb. .13½ - .13¾
Arsenite, gray, dealers, dms., c.l., works..lb. .10¾ - —
l.c.l., works.....lb. .13¼ - .13¾
Sodium arsenite, gray, ¾c. higher in Chi., 2c. higher in Houston, Tex., and Palo Alto, Calif.
Benzoate, tech., bbls., 2 tons.....lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons.....lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, USP, gran., bgs.c.l., works..100 lbs. 2.25 - —
l.c.l., works.....100 lbs. 2.75 - —
powd., bgs., c.l., works...100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.35 - —
Bichromate, bgs., c.l., works....lb. .08¼ - —
l.c.l., works.....lb. .08¾ - .08⅝
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½ - —
l.c.l., frt. alld.....lb. .13 - .14
kgs., l.c.l., frt. alld.....lb. .12½ - .14

Sodium bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.25
l.c.l., works.....100 lbs. 3.50 - 3.60
solut, 32°, bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.65 - —
35°, bbls., c.l., works....100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.55 - —
40°, bbls., c.l., works.....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Borate (see Borax).
Bromide, USP, bbls., dms., works..lb. .25 - .26
Cacodylate, bots., dms.....lb. 8.50 -12.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
Chlorate, cryst., bgs., c.l., works, lb. .06¼ - —
l.c.l., works.....lb. .06½ - —
powd., kgs., c.l., works.....lb. .06½ - —
l.c.l., works.....lb. .07 - .08¼
Chloride (see Salt).
Chlorite, tech., dms., works.....lb. .75 - —
Chromate, bgs., c.l., works, frt. equald..lb. .09¼ - —
l.c.l., same basis.....lb. .09¾ - .10
Soda chromate in bbls., ¼c. higher.
Citrate, USP VIII, bbls.....lb. .20 - —
dms.....lb. .21 - .25
USP XIII, gran., bbls.....lb. .26 - —
dms.....lb. .27 - .31
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanide, 96-98%, dms.....lb. .14½ - .15
Diacetate, 33-35% acidity, bbls., works, dlvd..lb. .09½ - .10¼
anhydrous, dms., works.....lb. .11½ - .13
Fluoride, white, 90%, bbls., c.l., works..lb. .09½ - —
l.c.l., works.....lb. .09¾ - —
95%, bbls., c.l., works.....lb. .09¾ - —
l.c.l., works.....lb. .10 - —
Formate, bgs., c.l., works.....lb. .0906- .0850
l.c.l. .....lb. .07 - .0790

Sodium glutamate, monobasic, kgs..lb. 1.46 - 1.48
Glycerophosphate, NF, flake, bbls, lb. 1.90 - —
powder, bbls.....lb. 1.95 - —
solution, 75%, cbys.....lb. 1.10 - —
50%, cbys.....lb. .85 - —
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld.lb. .18½ - .19
l.c.l., frt. alld.....lb. .19 - .20
Hydroxide, tech. (see Soda, caustic).
USP, sticks, dms.....lb. .24 - .29
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald..100 lbs. 2.75 - —
l.c.l., same basis.....100 lbs. 3.15 - —
pea cryst., bgs., works, frt. equald..100 lbs. 4.30 - 5.25
Soda, hyposulphite, crystals, in bbls., 40c. higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars.....lb. 2.72 - 2.98
Mandelate, dms.....lb. 3.25 - 3.35
Metaborate, gran., bgs., c.l., works, ton.90.50 - —
l.c.l., works.....ton.108.00 -113.00
Sodium metaborate in bbls., $20 per ton higher.
Metanilate, bgs.....lb. .48 - —
Metasilicate, anhyd., bbls., c.l., works..100 lbs. 4.00 - —
gran., bgs., c.l., works....100 lbs. 3.00 - —
l.c.l.....100 lbs. 3.90 - 4.25
bbls., c.l., works.....100 lbs. 3.40 - —
l.c.l.....100 lbs. 4.30 - 4.75
Monohydrate, bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .46 - .55

Shellac—Sodium Phosphate, Dibasic

Sodium nitrate, crude, dom., bgs., c.l., works..ton.35.50 - —
bulk, c.l., works.....ton.32.00 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.45.50 - —
bulk, c.l., same basis.....ton.42.50 - —
Nitrite, 99%, bbls., c.l., works, frt. equald..lb. .06¾ - —
West coast ports....100 lbs. 8.00 - 8.08
l.c.l., dlvd.....100 lbs. 8.90 -11.00
Orthosilicate, anhyd., bbls., c.l., works, frt. equald....100 lbs. 4.00 - —
l.c.l., same basis.....100 lbs. 5.45 - 5.80
hydrated, flake, bbls.,c.l., works, 100 lbs. 4.00 - —
l.c.l., works.....100 lbs. 5.10 - 5.35
Oxalate, neut., bgs., works.....lb. .10 - —
Pantothenate, dextrorotary, bots.gram. .10 -
Pantothenate, dextrorotary, bots., gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .19
powd., bgs., c.l., same basis..lb. .16 - .16½
l.c.l., same basis.....lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate, USP, bbls., c.l., works..lb. .14¾ -
l.c.l., works.....lb. .15½ - —
Peroxide, dms., c.l., dlvd. E. of Miss, lb. .14 - —
smaller lots, same basis.....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works..100 lbs. 6.25 - —
l.c.l., works.....100 lbs. 6.75 - 7.00
cryst., bgs., c.l., works..100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - 3.90
USP, dried, bbls., dms., works,lb. .150 - —

—Continued on page 54

FROM SHELL CHEMICAL

C_3 CHLORIDES

CHLORINATED HYDROCARBONS FOR INDUSTRIAL RESEARCH

1, 3 - Dichloropropene - 1
2, 3 - Dichloropropene - 1
1, 2, 3 - Trichloropropane

1, 3-Dichloropropene-1, and 2, 3-Dichloropropene-1 are reactive intermediates. Each contains a reactive allylic chlorine and a more stable vinylic chlorine. This property and the presence of double bonds in each compound offer many possibilities for synthesis of a variety of products.

1, 2, 3-Trichloropropane is a stable, non-inflammable liquid exhibiting high solvency for chlorinated rubber, ethyl cellulose, fats, oils, waxes, and many resins.

All three chlorides, now available in experimental quantities, are potentially obtainable in large scale commercial supply.

PHYSICAL PROPERTIES OF PURE COMPOUNDS

		1, 3-Dichloropropene-1		2, 3-Dichloropropene-1	1, 2, 3-Trichloropropane
Molecular Formula		$CHCl=CH-CH_2Cl$		$CH_2=CCl-CH_2Cl$	$CH_2Cl-CHCl-CH_2Cl$
Molecular Weight		110.97		110.97	147.44
Boiling Point °C		Cis 104.1	Trans 112.1	93.5	156.17
Refr. Index, n_D^{20}		Cis 1.469	Trans 1.475	1.4609	1.483
Specific Grav. 20/4°C		Cis 1.225	Trans 1.226	1.215	1.3898
Solubility at 20°C in	Water	< 0.1% wt.		< 0.1% wt.	0.6% wt.
	Acetone	∞		∞	∞
	Toluene	∞		∞	∞
	Octane	∞		∞	∞
Flash Pt. (Open Cup) °F		95		72	174

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Volume 152 August 25, 1947 Number 8

Better Descriptive Needed

Too much emphasis is laid today on "high" as an economic descriptive or qualifying term. It appears that—perhaps aside from prices—it is most desirable that everything be high. Praise is high for high wages, high employment, high volume of production, high profits, and that ever-popular "excelsior," high living standard. There is obvious danger that each and all of these things can get so high that they will be so narrow that even the least shift of contributory influences will seriously disturb their sensitive equilibrium.

"Big," "broad," "solid," "stable"—any of these is much more desirable to describe or qualify even the standard of living. The popularly styled "high" standard was one of the most potent contributors to the astonishing—to some—disclosure by military examination of the wide prevalence of undernourishment and neglected diseases. Gasoline and groceries cannot both be bought with the same dollar. Installments on an automobile cannot provide medical care.

High aims are good in some instances. But, always they are less satisfactory than broad views. High production that is not broad is an economic unbalance. It is a deadweight without broad distribution. High wages and narrowed employment do not add up to adequate income. High profits are inseparable from high prices. When anything is high, it is beyond the reach of the majority. When it is big and broad, it reaches out to all. Big living, broad living is far far better than high living. Balance and stability are much to be preferred to elevation in economics. Human welfare would be much better served by research to prevent, or at least minimize mining hazards than by stratospheric probing in things that have very little, if any, practical application. It will be far better for mankind to get down to earth in everything and to take a broader interest in all things. Heights are dizzying, and the national economy is beginning to show the effects.

Chemicals as Firebugs

Suit has been brought against the United States government for $8,000,000 damages to railroad property in the disaster at Texas City. The complaint alleges that employees of the government were negligent in not properly labeling materials loaded on a vessel and not giving adequate warning of their dangerous character. As nobody yet has discovered or determined what was the source of danger in the disaster, the basis of the claims for damages is not well defined.

Of course, the Texas City disaster has been blamed mostly on ammonium nitrate. But, it is not possible to make that chemical behave in the manner charged against it. The fault lies elsewhere. There was mistreatment. It is not surprising that the nitrate is blamed. Such is human nature, especially in the areas of safeguarding the public. Inanimate things always are blamed—as in the noble prohibition experiment—for the frailties of man.

Chemicals are getting a bad name as firebugs since something and somebody somehow set fire to ammonium nitrate on two or three vessels. It was quite rational to report a short time ago that two kegs of sodium chlorate skidded and caught fire on a vessel in European waters. Such is the nature of that compound. But, the fault lay in allowing it to skid. That is not a characteristic.

The idea spreads like the seeing of flying saucers. A few days ago a New York newspaper reported that "a 250-pound metal drum of sodium hydrosulphate burned for two hours" in the hold of a freighter, producing "thick and noxious smoke and fumes which kept firemen away, but caused no damage to the ship." Sodium hydrosulphate is about as combustible as common salt. None of it burned in any vessel hereabouts. A drum was bursted; the fire department was called; there was no flame, not even a glow. The smoke and fumes were a bit of dust.

The chemical industry is in for a long period of arsonistic allegations against its products.

Science and Tradition

Much news there was during the first two weeks of August about the billions of fish that were dead in the coastal waters of Florida because of poisonous plankton infesting the water or poison gases dumped offshore by the army. It was good for industry that no factory sludge or other waste had been discharged within a hundred miles of the locality. Commercial fishermen are making petitions in more northerly places against expansion of plans for such disposal of industrial wastes.

Something like 8,000 tons of dead fish piled up several months ago on the shores of a South Dakota lake. There was no opportunity to blame that either on pollution of the water by inconsiderate big business. The fish were suffocated by being caught in the ice.

Human reactions to emergencies are of unpredictable variety. Science was called in to dispose of the malodorous dead fish in Dakota. The Army Chemical Corps cremated them with thickened gasoline and magnesium paste, one of the war's incendiary weapons. The victims of the Florida fish massacre got no benefit of science. Their disposal went back to the ways of the Indians: they were used as fertilizer—to the extent that those who had use for them could stomach their handling.

The progress of applied science has a peculiar lack of uniformity. Its benefits to humanity are but spottily bestowed.

Washington Talks

—*Continued from page 5*

Mr. O'Mahoney says that Congress will have to decide whether the government should wash its hands of the dilemma and allow business to decide how the products of the country shall be distributed, or whether we shall undertake an intelligent program of stimulating production so that business users and individual consumers can get all that they want when they want it.

He doesn't explain what he means by "intelligent program of stimulating production" however. It could be subsidies or something equally distasteful.

War Graft Prophylaxis

The theatrical performance recently put on for the benefit of the public by the senate war investigating committee, with Howard Hughes and Senator Owen Brewster the star attractions, will have its serious moments when Congress returns to Washington next January, it is the general belief now.

Although the clash of personalities, charges, and insinuations captured the headlines, the revelations of how war contracts were secured through the wining and dining of military procurement officers and offers of postwar jobs is what is concerning the senators mostly.

They are talking of legislation's being necessary, under which, in another war, all persons entering the government service would be required to sever all business conditions, and military procurement officers would be prohibited from taking postwar jobs with companies with which they dealt during the war.

Pay Claim Limitations

The erroneous impression seems to have got around that, unless employees begin action prior to September 11 for back wages under the new portal-to-portal act, they will lose their chances for recovery because of the statute of limitations in that act. This is not true in all cases, the Labor department says.

The portal-to-portal act provides that claims which arose before May 14, 1947, the date when the act became effective, and are not of the type specifically barred by the new act, shall be governed by the prevailing State statute of limitations, if the suit is started on or before September 11, 1947. However, if suits on such claims are commenced after September 11, they will be limited by the State statute or the new act's two-year Federal statute, whichever is shorter.

It is emphasized by the department that the new act's two-year limitation provision applies to all employee actions arising on or after May 14. Individual State statutes of limitations, whether providing for longer or shorter periods than two years, are not applicable with respect to employee claims arising on or after that date.

WAA Surpluses May Swell

The probabilities are that the War Assets Administration may see its surplus inventories boosted substantially in the coming months by the War Department's letting loose a flood of items that it had been holding back in the hopes that Congress would pass the universal training bill. Estimates range upward of $7,000,000,000 of backlog surpluses of the department, which it may now turn over to WAA for disposal.

How much of this involves items in the chemical and allied fields has not been estimated beyond speculation that these doubtlessly run into the millions. As it is, WAA hasn't been having too bad a time of it in disposing of the surpluses it has already received in these fields. Officials report that they have been moving out to the channels of trade in an orderly fashion and at prices not too unfavorable to the government. The latest estimate of surplus chemicals on hand was around $42,000,000 a couple of months ago, but no one puts much faith in the estimate because of the system of keeping tabs on supplies, which is far from satisfactory.

Steel Drum Trip Limit

ICC is sounding out various trade organizations in the chemical and allied fields on the advisability, or, rather, the possibility, of limiting the use of the 17-E steel drums to single trips after the first of the year. That was the practice prior to June, 1943, when the steel drum situation became so tight. Industry is warning against such action, however.

Because of the shortage of drums, ICC provided emergency authorizations for the use of these single-trip containers for distribution of flammable liquids having a flashpoint below 80° F. over and over again so long as they were subjected to various tests to show that they were still in good condition. These emergency authorizations were to run for the duration. It is now thought in some quarters that the authorizations have served their purpose and for safety's sake the drums should be put back on the single-trip standard.

Experience has shown, however, that the reuse of the drums has been very satisfactory, and that there have been few if any instances where they have caused damage or danger from leakage. To force industry to go back to the old standard of using them only once for flammable liquids would be particularly disturbing at this time because the supply of these containers is tighter than it was even during the war.

Termite Protection Proved

Coaltar creosote and zinc chloride have proven to be effective in protecting wooden buildings against termites at the Department of Agriculture's termite test building on Barro Colorado Island, Panama Canal Zone. That institution recently celebrated its twenty-first birthday.

The department reported that the building is completely free of termites, even though it is situated in a tropical rain forest which is noted as a "termite heaven" and is said to be infested with at least forty-five different species of termites. Inspectors from the Bureau of Entomology and Plant Quarantine who examined the building on the anniversary of its erection reported that no evidence could be found of termites attacking the treated wood, but that an untreated wooden cot left in the house was riddled by termites, which had crossed the treated wood to get at it.

Another building, built of timber treated with zinc meta-arsenite, has withstood the attacks of the pests for fifteen years, but a third house, in which the wood was treated with an unnamed but obviously ineffective chemical, has been severely damaged since it was built in 1931.

Officials of the department stated that the tests not only have proved the effectiveness of the successful chemicals, but have shown that the wood must be thoroughly impregnated rather than just given a surface treatment.

2,4-D as a Celery-Saver

Keeping celery healthy with the aid of 2,4-D that is sprayed, not on the celery, but on another plant is a novelty in agricultural science reported by the plant disease survey of the United States Department of Agriculture. The 2,4-D would be deadly to celery if sprayed on the plant. It is also deadly to a weed that acts as a "Typhoid Mary" of the celery fields in keeping alive an infection of the celery mosaic virus.

The virus disease lives from season to season on the wild day-flower, known botanically as *Commelina longicaulis*. This day-flower is a common weed in the Florida mucklands where celery is an important crop. Aphids transfer the virus from the weed to the celery crop. The weed is rare on newly cleared land, but it thrives under cultivation and multiplies in cultivated celery fields. Cultivation divides old plants and causes more of the weeds to grow. This weed was identified as the source of the mosaic many years ago.

With the development of 2,4-D the way was cleared for an effective attack at the time when the field is clear of celery. The spray kills the weed, and the killing effect on the 2,4-D passes before the celery is out. One Florida grower who had been having serious trouble with celery mosaic used the 2,4-D spray on the day-flowers and got a crop that was free of mosaic except for a few plants growing near a ditch where a few day-flowers had not been eradicated by 2,4-D.

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Heavy Chemicals

Activity followed rather irregular lines in the industrial chemical market last week. The recent announcement of higher prices for soda ash, caustic soda and chlorine on October 1 by a major producer brought out a broader inquiry for these chemicals and contributed pressure to an already tense supply situation. Meanwhile, exporters are experiencing difficulty in making sales of soda ash and caustic soda under current license restrictions. Reports of the discovery of a sizable deposit of natural sodium carbonate in Wyoming attracted attention and so did reports of a substantial increase, shortly, in the output of sulphuric acid by two prominent chemical manufacturers. One of the major producers of oxalic acid has suspended operations for two weeks while plant repairs are being made.

Trisodium phosphate along with most of the other sodium phosphates have continued tight and no relief has been accorded the sodium sulphide shortage. Potassium chlorate has continued to command increased attention from the match industry. Stocks of phosphorus pentoxide and other phosphorus chemicals have been maintained at a level close to requirements. Production of white sal ammoniac has been kept under pressure by an unusually heavy consuming demand. A steady advance in the price of silver bullion has featured that market. The propelling influence is said to have emanated from Mexico.

Output of industrial inorganic chemicals in June dropped slightly from the high production level maintained during May, according to the Bureau of the Census. A survey of 35 major inorganic chemicals disclosed that 24 were produced in lesser volume in June than in May. However, only seven were produced at a lower rate this June than in June, 1946.

The large volume acids, muriatic, nitric, and sulphuric, dropped to the lowest daily production rate observed for those chemicals this year. Nevertheless a considerably larger quantity of the three acids was produced this June than in the corresponding month of last year. The output of phosphoric acid and the phosphatic compounds with the exception of dibasic sodium phosphate did not follow the downward trend of other groups of chemicals. Production of phosphoric acid and meta sodium phosphate was the highest for any month on record. Dibasic sodium phosphate production declined slightly from the high May level but more than doubled the output in June, 1946. Only monobasic calcium phosphate was produced at a lower rate this June than last.

Paper production based on a percentage of six-day capacity was 104.8 percent for the week ending August 16, according to the American Pulp and Paper Association. This compares with 109.1 in the preceding week and 104.5 for the corresponding week in 1946.

Production figures appearing below unless otherwise specified are from Bureau of the Census, Department of Commerce.

Ammonia, Anhydrous — Production of synthetic in June amounted to 91,681 tons, compared with 97,107 tons in the preceding month and 60,609 tons in June, 1946.

Ammonia Liquor—Bureau of Mines placed June production at 4,526,647 pounds, against 4,792,054 pounds in May and 3,736,400 pounds for June last year. Output for the first half of 1947 registered 27,905,001 pounds, compared with 22,777,400 pounds for the corresponding period in 1946. Stocks on June 30, were 1,418,552 pounds, against 1,703,158 pounds on May 31.

Ammonium Perchlorate—Recent importations have permitted some of this chemical to reach the open market. Limited quantities have been available at 25c. per pound.

Ammoniac, Sal—Buying interest in white granular from the manufacturers of dry-salt batteries has been sustained at an unusually high level. There has been a steady demand also from the leather and yeast trades. Production has been under pressure to meet these requirements and the market has not relaxed from its former tight condition.

Calcium Carbide—June production of this chemical was lower. The total registered 48,136 tons of commercial, compared with 56,286 tons in May and 43,124 tons in June, 1946.

Calcium Chloride—Heavy demand throughout the Summer months has overtaxed output and kept buying conditions exceedingly tight. In some major producing quarters, it was stated that shipments are running about three months behind contract schedules.

Calcium Phosphate—Output of monobasic amounted to 4,253,000 pounds in June, against 3,944,000 pounds in the preceding month and 5,233,000 pounds in June last year. Production of dibasic in June was 7,034,000 pounds, compared with 5,715,000 pounds in May and 5,670,000 pounds in June, 1946.

Carbon Dioxide—Production of liquid and gas amounted to 22,987,000 pounds in June, compared with 22,913,000 pounds in May and 16,774,000 pounds in June, 1946. Output of solid, dry ice, registered 73,713,000 pounds, a new high record, against 73,574,000 pounds in the preceding month and 61,771,000 pounds in June last year.

Chlorine—Consuming demand has kept far enough ahead of production to prevent any easement in buying conditions. Limited storage facilities have kept prompt disposition of this chemical essential and demand is being fed chiefly from current output. June production of chlorine gas amounted to 117,486 tons, compared with 118,284 tons in May and 96,420 tons in June last year.

Glauber's Salt—Steady distribution of output has kept buying conditions tight and there are no reserve accumulations. June production was placed at 15,582 tons, compared with 17,021 tons in the preceding month and 13,567 tons in June, 1946.

Potassium Carbonate—Short stocks have kept buying conditions tight and this situation can be expected until production becomes flush with consuming requirements. At present there is a heavy industrial demand which is unsatisfied.

Potash, Caustic—Continued to feel the impact of a steady demand emanating from the anilin dye, chemical, glass and soft soap industries. Stocks have been held at a low level, with the dry forms shorter than the liquid.

Potassium Chlorate—Buying interest from the match industry continued to increase and possibilities toward further expansion appeared favorable. Available stocks have been reduced although there was still enough material to meet requirements on a prompt basis. Perchlorate was not in as free supply as noted earlier in the summer.

Soda Ash—Announcement of an advance in prices on October 1 by a major producer and the belief in the trade that other producers may follow this lead had a stimulating influence on the inquiry from consumers. It was stated in producing quarters that many users had expected an easing in buying conditions by the end of the year. The reported arrival of 500 tons from Norway was said to be an experimental shipment, high in cost, and not significant from a tonnage standpoint. It is "light," soda ash rather than the dense type used in American glass making operations. It will be used entirely in pot-casting operations where smaller batches of special types of glass are processed. Production of light soda ash in June amounted to 180,794 tons, compared with 188,794 tons in May and 148,861 tons in June 1946. Output of dense ash was 137,464 tons in June, against 147,609 tons in the preceding month and 107,615 tons in June last year. Production of natural registered 22,173 tons in June, compared with 22,881 tons in May and 16,937 tons in June 1946.

Proposed extensions to the alkali plant at Osborne, South Australia, will involve the opening of a new limestone quarry and the extension of salt fields. This will result in a yearly output of 200,000 tons of salt, 200,000 tons of limestone, and about 100,000 tons of alkalies.

Sodium Bicarbonate — Market position steady with stocks meeting current requirements without difficulty. Production in June placed at 14,147 tons, compared with 17,512 tons in May and 13,355 tons in June last year.

Soda, Caustic—Conditions continued tight in this market. In some producing quarters

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Silver bullion, 6c. per oz.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
199.9	199.9	199.8	171.4

Acids

Last week.	Prev. week.	Last month.	Last year.
119.3	119.3	119.3	116.0

(For Current Prices see Page 9)

it was stated that the position of caustic was tighter than soda ash. With prices slated for higher levels on October 1, the consuming inquiry has increased, thereby contributing increased pressure to an already tense supply situation. Production of liquid by the electrolytic process in June was 114,226 tons, this includes quantities evaporated to solid caustic soda. May production registered 113,392 tons and in June 1946 output was 93,694 tons. Production of solid by this process was 18,156 tons in June, against 15,982 tons in the preceding month and 14,397 tons in June last year. Production of liquid by the lime-soda process amounted to 61,670 tons in June, compared with 65,750 tons in May and 55,047 tons in June 1946. Output of solid by this process was 20,640 tons in June, compared with 20,651 tons in the preceding month and 14,043 tons in June last year.

Sodium Chlorate—Supply conditions have constantly grown tighter since the first of the month. Aside from a heavy demand for weed destruction, there has been an unusually broad inquiry for miscellaneous industrial uses. It appeared as though consumers desired to build up inventories in this chemical.

Sodium Nitrite—Maintenance of production has been sufficient to keep this market in balance. Requirements of the dyestuff and meat-packing industries have been satisfied promptly at former price levels.

Sodium Phosphate—Production of monobasic in June amounted to 1,291 tons, compared with 1,174 tons in the preceding month and 677 tons in June, 1946. Output of dibasic registered 6,442 tons, against 6,927 tons in May and 3,070 tons in June last year.

Sodium Sulphite—Short available stocks have prevented any easement in buying conditions. Production of anhydrous refined in June amounted to 11,307 tons, compared with 10,698 tons in May and 8,645 in June, 1946.

Acids

Hydrofluoric—Domestic consumers are not finding stocks much of a problem at present. Steady production has kept supplies available for prompt shipment although export trade has been held down by the shortage of suitable containers. Output of anhydrous and technical in June amounted to 4,605,000 pounds, compared with 4,805,000 pounds in the preceding month and 3,334,000 pounds in June, 1946.

Muriatic—Market position shows a satisfactory degree of balance at present. Production in June registered 33,071 tons, compared with a revised total of 36,899 tons in May and 24,438 tons in June last year.

Nitric—Output has kept about flush with demand and no excess stocks are reported. Production in June amounted to 62,064 tons, against 64,826 tons in the preceding month and 55,413 tons in June a year ago.

Oxalic—There is not enough production at present to meet consuming demand and the market has continued out of balance. Output has been kept down by necessary repair work. It was stated that essential parts for maintaining production plant capacity have been seriously delayed in delivery.

Phosphoric—Not in free supply but stocks sufficient to meet requirements on a fairly prompt basis. Total production in June amounted to 89,630 tons, compared with a revised total of 82,372 tons in May and 67,717 tons in June, 1946. In this year's June output, 49,594 tons were made from phosphorus and 40,036 tons were produced from phosphate rock.

Sulphuric—Gross production of sulphuric acid in June was placed at 850,934 tons. This includes acid of oleum grade and estimates of byproduct operations of six smelters formerly reporting to the Bureau of Mines. In the June total were 258,307 tons of chamber process acid and 592,627 tons of acid by the contact process. Gross production in May amounted to 888,304 tons and in June last year 724,766 tons.

Non-Ferrous Metals

Copper—Production of crude copper in July was placed at 73,138 tons by the Copper Institute. June output registered 73,750 tons. Refined copper production, including supply from all sources, dropped to 94,605 tons in July, a low since March and compared with 103,448 in the preceding month. For the seven months refined production aggregated 604,071, against an all-year total of 843,113 in 1946. Deliveries of refined copper to consumers in July amounted to 109,817 tons. Deliveries in June were 116,552 tons. Allocations from the Government's stockpile were only 5,398 tons, against 7,329 in June. Refined copper stocks in the hands of the industry, not including consumer stocks, declined to 76,570 from 81,339 tons during the month of July.

Lead Scrap—Bureau of Mines states that reduced receipts were recorded in May for all lead-base scrap and residue classifications, with soft lead, common babbitt and the drosses showing largest percentage of decrease. Receipts of battery plates of 32,255 tons were 2 percent lower than in April. Battery plates treated during May exceeded by over 3,000 tons the weight received at smelters' plants, and stocks were again reduced to total 45,565 tons on May 31. Solid scrap held in inventory at the end of the month totaled 11,605 tons and drosses and residues 31,588 tons. Trade reports of a slackening demand for lead scrap, due in part to the comfortable inventory position of consumers, seemed to be confirmed by the recorded figures, with intake of scrap down and greater consumption from stocks on hand.

Silver—Higher prices were established for bullion last week. Small available supplies of the metal and an increased demand were potent influences in advancing the market. According to trade reports, the principal buying was for Mexico where substantial amounts have been purchased since the first of June. The price last Thursday was 69¼c. per ounce.

Silver Bullion Range

	Per ounce— New York	London
High	Mar. 6—86⅛c.	Jan. 2—55½d.
Low	June 20—59⅝c.	June 20—39d.

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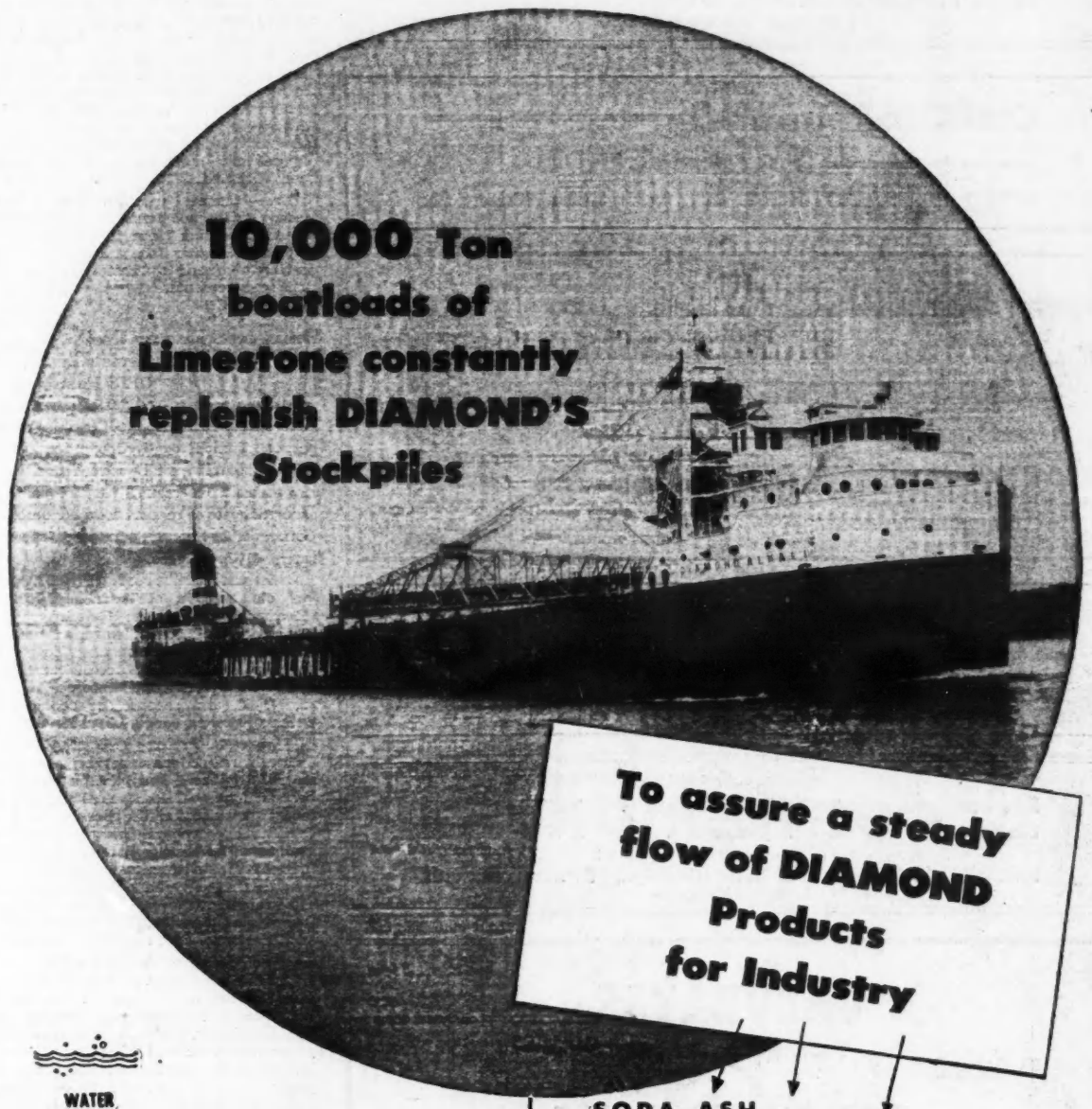

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announced a new interim allocation of tin metal for the second half of 1947 amounting to 15,710 long tons. This allocation is in addition to a first interim allocation of 11,331 tons announced on July 8. Together these total 27,041 tons and represent nearly all the tin that can be expected to be available during the remainder of 1947. Although the committee may be able to allocate small additional quantities later in the year, the present allocations will have to cover a substantial degree the needs for the consumer-countries for this period. In recognition of the long distances from producing areas to many consuming countries and of the meager stocks with which some countries have to work, it has been decided to entertain requests for minimum additional allocations to improve the working stock of such countries, providing the committee is satisfied that their needs are urgent. A small reserve has been set aside to meet such needs. The committee again emphasized that tin metal supplies available are sufficient to meet only a little more than half the requirements of importing countries for consumption during the period. Although tin production is increasing, normal supply conditions are not expected to prevail for some time to come.

Cable advices from Batavia, according to Aneta, state that the strike of tin mine workers on the island of Billiton, which has been underway since last May, came to an end recently, dispatches from Sumatra's east coast disclosed. The workers in the important mines went on strike because they considered their living conditions and wages unsatisfactory. Efforts to achieve a settlement have been underway during recent weeks between employers and the Chinese and Indonesian workers. No details of the final settlement achieved have yet been obtained.

Zinc—Market position has continued steady with no unusual buying interest noted. Demand from the brass trade was rather flat, with the galvanizers and diecasters inclined to limit operations to actual requirements.

Infra-Red Spectra Use In Chemical Analysis Told

OPD Washington Bureau

Automatic infra-red gas analyzers that can detect concentrations of carbon monoxide, carbon dioxide, or hydrocyanic acid as low as one part in one hundred thousand were invented in Germany just before the war, according to a report now on sale by the Office of Technical Services of the Department of Commerce.

Orders for the report "PB-48678"; A Survey of the Use of Infra-Red Spectra in Chemical Analysis in Germany; photostat, $15; microfilm, $5; 215 pages, including illustrations; text in German and English, should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

The infra-red gas analyzer was developed in 1938 by the Oppau plant of the I. G. Farbenindustrie. Called the "Uras," the instrument can discover the presence of a simple chemical compound in a gaseous mixture and measure its concentration by irradiating the mixture with infra-red light of a wavelength that only the compound can absorb. The resultant thermal expansion of the mixture is an identification of the compound; and the amount of expansion, a measure of its concentration.

I. G. Farbenindustrie manufactured about 400 Uras and used most of them for analyzing flue gas, determining the amount of methane in air, ethylene in ethane, and acetylene in ethane and ethylene, and for similar purposes. However, when the various gases in a mixture had infra-red absorption bands that were close together, the instruments could not identify any one gas with certainty, the report indicates.

Trade Briefs

Ebasco Services, Inc., New York, has added to its staff of water treatment chemists Philip F. Baggish, formerly with Publicker Industries, Inc., Philadelphia.

Dr. Roy P. Whitney, formerly of the University of Maine, will join the staff of the Institute of Paper Chemistry on September 1 with the rank of research associate.

Texas Chemurgic Council has appointed Elmore R. Torn vice-president and general manager. He is also agriculture and forestry director of the East Texas Chamber of Commerce.

John F. Suttle, former assistant professor at the University of Portland, has been appointed assistant professor in the department of chemistry at the University of New Mexico, Albuquerque.

U.S. Rubber Leases Plant

United States Rubber Company, New York, has leased a three-story factory building in Norwalk, Conn., from N. V. Maatschappiji Voor Chemische En Parmaceutische Producten of New York City. The plant will be occupied by a division of the company now located in Detroit, manufacturing rubber and plastic dies. O. R. Huggins of Norwalk has been selected as divisional manager.

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Southern Alkali Sales Head

E. Wayne Haley has been appointed director of sales for the Southern Alkali Corporation, subsidiary of the Pittsburgh Plate Glass Company. Mr. Haley, assistant director of sales for the past twelve years, succeeds Eli Winkler, who will continue with the company in the capacity of sales consultant. Mr. Haley will maintain offices at 30 Rockefeller plaza, New York.

Miller Procurement Service Expanding on Selling Side

Alan C. Miller, a one-man-proprietor procurement service, 739 Land Title building, Philadelphia 10, has launched a program of expansion on the selling side where special emphasis will be laid on chemicals and related products. There are now four participants in the concern. Incorporation is contemplated.

The four operators specialize individually in the lines with which they are particularly acquainted. The chemicals and related products lines are in the hands of Harry J. Schnell, who had a number of years' experience in that field before starting a job of several years with WAA in its disposal of such goods.

The Miller service was started with the purpose of assisting purchasing agents to surmount difficulties in getting goods under wartime conditions. In large part it has been handling WAA deals in all kinds of lines from explosives to machinery and textiles. All these lines will be continued in the selling services now being offered to established manufacturers.

Aluminum Output Totaled 51,116 Short Tons in May

OPD Washington Bureau

Aluminum output in May, 51,116 short tons, was about 1 percent above the average of the preceding five months and represented virtually capacity operation of reduction plants for which power was available, according to the Bureau of Mines. Demand dropped off markedly, especially for rolled products, with curtailment in operation at some rolling mills and temporary suspension planned for one primary metal plant. Consumers appeared to be well stocked and restricted purchases to needs for current consumption.

As a consequence producers' stocks of virgin metal jumped slightly more than 50 percent to 64,053 tons. Allocations and deliveries from Office of Metals Reserve stocks were discontinued. Trading in scrap was dull throughout the month with secondary smelters almost out of the market while scrap prices continued to decline. On May 22 reductions of ½ cent to 1½ cents a pound for remelt ingot were announced by leading smelters. These reductions finally brought the price of some remelt below those of corresponding primary grades. No changes in price of primary ingot have been announced during the year.

Trade Briefs

Westvaco Chlorine Products Corporation has registered with the Securities and Exchange Commission 30,000 shares of $3.75 cumulative preferred stock and 30,000 shares of common stock.

Tudor Chemical Specialties, Inc., New York, has appointed Hanser Automotive Products, also New York, to represent it in New York, Maryland, New Jersey, Delaware, Pennsylvania and the District of Columbia.

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Chemicals Import List Rearranged by Italy

Italy has transferred items from List A, goods admissible into Italy directly by customs officials upon presentation of bank approval, to List B, goods requiring, in addition to bank approval, an individual or special import license.

Included on the new List A are chrome ore; mica in lumps, powder, scales or plates, unworked or merely edged; coaltar; crude coaltar oils; benzol, toluol and xylol; vegetable tar; gums, other than native; resins, other than colophony; metal selenium; cresylic acid; phenol; crude napthalene; cinchona bark; plants and parts of medicinal plants, n.s.m., exotic, nonpulverized; lamp black; raw gutta percha, and chemical pulp.

Included on List B requiring a special license are casein; oilseeds; copra; cakes of oilseeds; animal oils; olive oil; animal tallow; lard; coconut; illine and palm kernel oils; palm oil; vegetable tallow; fats, n.s.m.; waxes, n.s.m.; copper in ingots or scrap; nickel in ingots; tin ingots; mineral phosphates in a natural state; crude mineral oils, lubricating oils, kerosene, gasoline and residues for the distillation of mineral oils, and turpentine oil.

Also, solid paraffin; ceresine; vaseline; colophony; gum resins and balsams; scoriae of dephosphorization and phosphatic slag; agricultural nitrate of ammonium; potassic chemical fertilizers; fatty acids; crude glycerin; natural camphor; juice of aloe, and gelatin for photography.

Battelle Institute Names Six Assistant Directors

Batelle Memorial Institute, industrial and scientific research organization, Columbus, Ohio, has appointed Dr. Frank C. Croxton, Dr. Clarence H. Lorig, Dr. Howard W. Russell, Ralph A. Sherman, Clarence E. Sims and John D. Sullivan assistant directors as the final step in its plan of reorganization.

In their capacity as assistant directors, the men will be the top coordinators of technology for the various research projects undertaken by Battelle and will have the assistance of a body of technical advisers, who provide specialized consultation and guidance.

Dr. Croxton, who formerly headed the institute's chemical research section, has been with the organization since 1939. He was previously a member of the technical staff of the Standard Oil Compnay of Indiana for nine years, and is a member of the American Chemical Society, American Petroleum Institute and the American Association for the Advancement of Science.

Dr. Lorig joined the institute in 1930 and has been, until his present appointment, in charge of research in foundry technology. Dr. Russell has been chief physicist of the institute since its origin and, during the war, was in charge of its work on the Manhattan project.

Mr. Sherman has been in charge of the institute's research in the field of fuels technology since 1930, and was formerly associated with the Bureau of Mines. During the war years he served as a member of the National Fuel Efficiency Council.

Mr. Sims, who has been with the organization since 1936, formerly headed its research in process metallurgy. Before joining Battelle he was assistant director of research for the American Steel Foundries Company.

Mr. Sullvian joined the staff of the institute in 1933 and has devoted his time to research in the fields of metals and ceramics. He is currently president of the American Ceramic Society.

Weirton Steel Increases Coke Production With New Ovens

The Weirton Steel Company has increased its production of coke by 850 tons per day by putting into operation a new battery of fifty-three Koppers-Becker ovens. A second battery of ovens, of similar capacity, is expected to be put into operation by the steel company within two months.

The ovens, which have been under construction by the Koppers Company since April, 1946, are of the under-jet type, equipped with gas recirculating ducts and blast furnace gas underfiring equipment. Auxiliaries such as equipment to recover ammonium sulfate, tar, light oil and gas are also under construction.

Benzine Hexachloride Data Offered by Prentiss & Co.

R. J. Prentiss & Co., New York, has published an eight-page folder on benzine hexachloride which gives a resume of the advantages and limitations of this insecticide. The booklet includes a summary of the large volume of field work done to date, in tabular form, showing insects, applications and results. Copies are available from the company at 110 William street, New York 7.

Trade Briefs

Argonne National Laboratory, Chicago, has elected as its associate chairman F. H. Spedding, director of the Institute for Atomic Research at Iowa State College.

Merck & Company, manufacturing chemists, Philadelphia, will enroll all its employees in hospitalization plans on September 1 at the company's expense.

Lakeside Laboratories, Inc., maker of ethical pharmaceuticals, Milwaukee, Wis., has appointed Dr. Clifford S. Leonard to its staff. He was at one time director of research of Burroughs Wellcome & Co.

Blue Cross Hospitalization Insurance has an enrollment of more than 28,000,000 persons, according to Richard M. Jones, director of the Blue Cross Commission of the American Hospital Association. During April, May and June 1,428,605 new members in the United States and Canada joined the plan.

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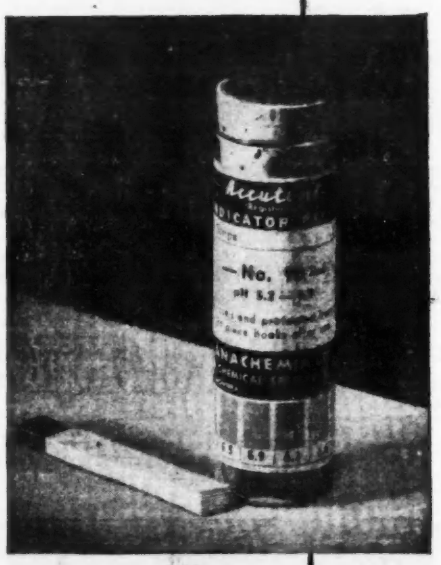

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Monsanto Officials to Study Management at Harvard

Leaves of absence to attend the advanced management program of the Harvard University Graduate School of Business Administration have been awarded to R. S. Wobus and William M. Russell of the Monsanto Chemical Company, St. Louis. Mr. Wobus, manager of Monsanto's Norfolk, Va., plant, and Mr. Russell, branch manager for the Detroit territory of the organic chemicals division, will enroll in the thirteen-week program for the fall term of 1947.

Garfienkel Develops Process for Treating Ores

The Garfienkel Chemical Company, New York, claims perfection of new reagents and processes for enriching crushed ores. Gold and silver ores, mispickel, quartz, copper pyrite, arsenates, feldspar, fluorspar, and all lead-containing ores are treated by flotation with new types of reagents obtained with terpenes derived from resinous oils.

Chlordane Use Data Offered

Julius Hyman & Co., Denver, Colo., has published "Technical Supplement No. 204," on the control of roaches and other household and industrial pests. It gives an indication of the effectiveness of chlordane in pest control. The bulletin is available on request to the company.

Trade Briefs

William L. Bruckart has left Southern Liquid Gas Company, Dothan, Ala., to do corrosion research for Battelle Institute, Columbus, Ohio.

Westinghouse Research Laboratories, East Pittsburgh, Pa., has added Aaron Wexler to its staff to engage in a low-temperature research program.

Minnesota Mining & Manufacturing Company, St. Paul, has assigned Henry R. Courtney to the products fabrication division.

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Bids Wanted

—Continued from page 4

ton, Ohio) invitation 75, September 2; pyroxylin, 12,419 gallons, invitation 78, September 2.

Liver injection, 39,312 bottles, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 64, September 3.

Lye, granular, 19,450 pounds, Army Transport Corps (Marietta, Pa.) invitation 83, September 10.

Lymphogranuloma venereum antigen, 2,500 packages, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 50, September 2.

Methyl chloride as required from October 1, 1947 through June 30 1948, Army Engineers Corps, attention ENGPA-21 (Washington 25, D. C.) invitation 32, August 26.

Naphthalene, flake, 400,360 pounds, Quartermaster Purchasing Office (New York 3, N. Y.) invitation 28, August 28.

Nitrocellulose, 20,000 pounds, Army Ordnance Department (Dover, N. J.) invitation 16, August 27.

Nitrogen, as required from October 1, 1947, through June 30, 1948, Army Engineers Corps, attention ENGPA-21 (Washington 25, D. C.) invitation 33, August 26.

Oxygen, commercial, as required from October 1, 1947, through June 30, 1948, Army Engineers Corps, attention ENGPA-21 (Washington 25, D. C.) invitation 34, August 26.

Paint, enamel, 420 gallons, Fedral Works Agency (Washington 25, D. C.) invitation 453-8-26-1, August 26; 4,877 gallons, Army Transport Corps (Marietta, Pa.) invitation 61 August 28; 500 gallons, invitation 64, August 26; 100 gallons, invitation 60, August 27; 500 gallons, invitation 55, August 30; 7,000 gallons, Navy Department (Washington, D. C.) negotiation 4393, September 3.

Paint remover, 200 gallons, Federal Works Agency (Washington 25, D. C.) invitation 452-8-26-1, August 26.

Paint thinner, 925 gallons, Army Transport Corps (Marietta, Pa.) invitation 61, August 28; 895 gallons, invitation 60, August 27.

Paints, various, 10,360 gallons, Department of Commerce, Civil Aeronautics Administration (Washington, D. C.) invitation 3960, Sepember 4; 450 gallons, District of Columbia Government (Washington 4, D. C.) schedule 10501, August 26; 500 gallons Federal Works Agency (Washington 25, D. C.) invitation 452-8-26-1, August 26; 14,254 gallons, Army Transport Corps (Marietta, Pa.) invitation 61, August 28; 15,000 gallons, invitation 82, August 30; 1,006 gallons, invitation 67, August 28; 2,404 gallons, invitation 60, August 27; 2,100 gallons, invitation 55, August 30; 13,800 gallons, Navy Department (Washington, D. C.) negotiation 4393, September 3; 5,040 gallons, Treasury Department (Washington, D. C.) invitation 5H-55660-R, August 28.

Paraffin wax, 7,000 pounds, Army Air Corps (Dayton, Ohio) invitation 68, September 3.

Petroleum solvent, 200 gallons, Army Transport Corps (Marietta, Pa.) invitation 83, Sepember 10.

Pigments, in oil, various, small quantities, Federal Works Agency (Washington 25, D. C.) invitation 454-8-26-1, August 26; dry, 1,700 pounds Army Transport Corps (Marietta, Pa.) invitation 61, August 28.

Polychlornaphthalene, 65,000 pounds, Army Ordnance Department (Dover, N. J.) invitation 17, September 11.

Salt, 1,040,000 pounds, Navy Department (Washington, D. C.) negotiation 4410, September 8.

Scale solvent, 2,400 gallons, Army Transport Corps (Marietta, Pa.) invitation 83, September 10.

Scarlet fever streptococcus toxin, 2,000 bottles, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 50, September 2.

Soap, toilet, powder, 6,469 pounds, Quartermaster Purchasing Office (New York 3, N. Y.) invitation 50, September 12; white, floating, 1,666,832 6-ounce cakes, invitation 34, September 11.

Soda ash, as required from September 1, 1947, through June 30, 1948, U. S. Disciplinary Barracks, Camp Cooke, Calif., invitation 4, August 29.

Sodium borate, Department of Agriculture (Washington 25, D. C.) invitation 88-48, August 28.

Sodium chloride, 40 tons, District of Columbia Government (Washington 4, D. C.) schedule 10502, August 26.

Sodium hypochlorite, 3,200 gallons, Army Transport Corps (Marietta, Pa.) invitation 83, September 10.

Sodium sulphide, photographic, 1,950 pounds, Army Map Service (Washington 16, D. C.) invitation 6, August 28.

Tetanus toxoid, 36,000 bottles, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 50, September 2.

Trichlorethylene, 5,600 gallons, Army Ordnance Department (Rock Island Arsenal, Ill.) invitation 14, September 10.

Tuberculin tablets, 7,050 packages, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.) invitation 51, September 2.

Turpentine, gum, 330 gallons, District of Columbia Government (Washington 4, D. C.) schedule 10514, August 28.

Varnish, 1,200 gallons, Army Air Forces (Dayton, Ohio) invitation 74, September 2; 3,500 gallons, Department of Commerce, Civil Aeronautics Administration (Washington, D. C.) invitation 3960, September 4.

Vegetable oil, edible, 770,000 pounds, Navy Department (Washington, D. C.) negotiation 4419, September 3.

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Mol. Wgt.	329.18
Ferrous Salts	trace
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Assay	99.0%
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Westvaco to Mine Trona in Wyoming

Westvaco Chlorine Products Corporation has tapped a commercial deposit of natural sodium carbonate at Westvaco, Wyo., after a full year of drilling operations. The new mine is located approximately thirty miles west of Rock Springs, Wyo., on the main line of the Union Pacific railroad.

After extensive test borings over a large tract of mineralized land, a twelve-foot diameter shaft has been sunk into a ten-foot thick sodium carbonate bed at a depth of 1,490 feet. Westvaco said that indications are that several million tons of extremely high purity sodium sesquicarbonate are immediately available for mining and conversion by calcination to soda ash.

Conditions at the 1,500 foot level were reported to be favorable for low-cost mechanical mining and officials of the company expressed the belief that its trona deposits will become an important new source of commercial soda ash.

Trade Briefs

Kenneth S. Warren has returned to his former post as research chemist at Picatinny Arsenal, Dover, N. J.

Goodyear Tire & Rubber Company, Akron, Ohio, has expanded its program of modernizing its Jackson, Mich., plant. A $500,000 steam plant and water treatment plant will be constructed to replace or supplement obsolete equipment.

Perkins Glue Company, Lansdale, Pa., has developed a liquid, ready-to-use glue which is available under the name Perkins Corox. The company claims that the glue sets in less than an hour at temperatures ranging from 40 to 140 degrees.

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Ralph L. Evans Associates
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Public Service Testing Laboratories, Inc.
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Stillwell & Gladding, Inc.
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Wiley & Company, Inc.
Calvert & Reed Sts., Baltimore 2, Md.

Surplus Materials

—Continued from page 4

Welding flux, 5,200 pounds; Philadelphia, PHL-64-371, August 28.

Operating equipment and supplies currently offered by WAA in fixed-price and open-bid sales include the following:—

Distilling plant, low-pressure, six evaporators; Seattle, SEO-61-42678, September 2.

Electric furnace, heavy-duty, 2,000 maximum; Seattle, SEO-61-42678, September 2.

Electrodes, chrome nickel, 750 pounds; Philadelphia, PHY-64-371, August 28.

Elevator-stacker, electric, 500 pounds, $337; Seattle, SEL-65-42675.

Hoist, electric, 1,000 pounds, $137; Seattle, SEL-65-42675.

Tanks, oil storage, one 500-gallon, $42, one 750 gallon, $60; oil truck, 750-gallon, two at $100 each; Seattle, SEL-65-42675.

Tractors, gasoline, one at $385; gasoline-diesel, one at $1,387; Seattle, SEL-65-42675.

Trailers, truck, 4-ton, twenty-four at $30 each; warehouse, 2-ton, fourteen at $34 each; Seattle, SEL-65-42675.

Trucks, fork-lift, gasoline, 1-ton, six at $800 each, 3-ton, three at $1,170 each, 3-ton, one at $2,500; hand, various types, forty-one at $15 each, 872 at $21.60 each, two at $22 each; hydraulic lift, manual, one at $100; platform lift, electric, 2-ton, one at $300; Seattle, SEL-65-42675.

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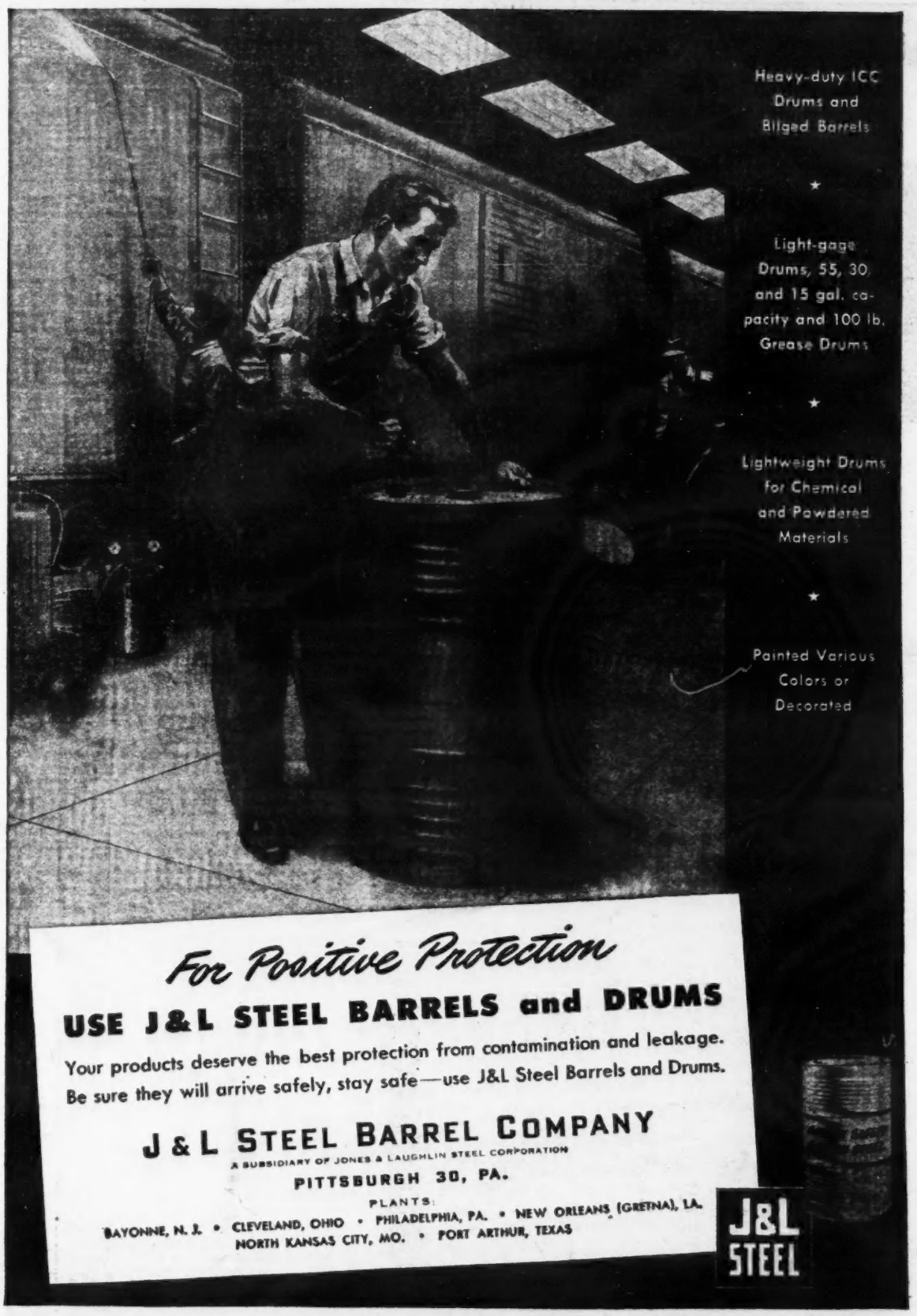
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International Statistical Conference Set for Sept. 6

Recognizing the necessity for accurate statistical information in assisting world trade and reconstruction, thirty-five leaders in business, government and labor circles will serve as an American national committee of hosts to the International Statistical Conference to be held Sept. 6 to 18 in Washington, D.C.

Secretary of Commerce W. Averell Harriman, chairman of the committee, stated, "One of the needs of the current situation is the improvement and extension of statistical methods in order to provide a reliable means of fact-finding in connection with recovery programs. By making possible the resumption of scientific and professional contacts disrupted by almost a decade, the International Statistical Conference can make a positive contribution toward accurate fact-finding and international cooperation."

Participating in the conference will be six leading government and private statistical organizations. To offset the limiting effect of the dollar shortage abroad on the attendance of delegates, the committee has urged American businessmen to supplement the support which has been given the conference by the United Nations and the participating governments.

Arrangements are being made for delegates to tour American Universities, to become acquainted with American statistical methods and to generally increase the cultural value of their visit to this country.

Chemical Imports of U.K.

The official records of trade and navigation of the United Kingdom show the following comparisons of sources of imports of chemicals, drugs, dyes, and colors:—

	First Half of Year		
	1938	1946	1947
Argentina	£110,682	£807,941	£622,704
Belgium	333,335	152,126	949,549
Brazil	616	197,320	80,562
British countries, not specified	175,174	388,327	288,080
Canada	318,190	513,835	661,613
Chile	205,430	559,236	277,576
Foreign countries, not specified	561,019	418,652	554,492
France	515,758	419,885	861,597
Germany	1,998,942	245,186	681,601
India	73,590	132,505	150,170
Italy	94,430	43,641	137,711
Norway	247,796	5,358	137,525
Palestine	71,012	354,123	576,837
Spain	25,802	1,430,769	452,891
Sweden	90,294	66,893	438,423
Switzerland	429,130	159,376	375,504
Union of S. Africa	135,674	582,304	639,524
United States	1,417,280	2,247,762	3,189,157

Libby-Owens-Ford Receives Soda Ash From Norway

Libbey-Owens-Ford Glass Company, Toledo, has received a cargo of 5,000 bags of soda ash from Oslo, Norway, marking the first postwar foreign cargo to enter the Toledo port. Officials of the company said that the shipment is of an experimental nature, being high in cost and not significant from a tonnage standpoint.

The material was described as a "light" soda ash, reputed to be the same chemically but weighing about half what American soda ash weighs for a given volume. Experimental use of the European product in pot-casting operations, where smaller batches of special types of glass are processed, was started immediately.

St. Regis Paper to Build $6,000,000 Bag Plant

St. Regis Paper Company, New York, plans to construct a $6,000,000 kraft paper mill and multiwall bag plant at Tacoma, Wash. The city was selected because one of the company's largest sulphate pulp mills is located there. The new mill will require a two-story building 72 feet wide and 612 feet long.

Promoted by Westvaco

Arthur F. Smith, who on September 1 becomes New York divisional sales manager for barium chemicals and related chemicals for Westvaco Chlorine Products Corporation, New York. Associated with the company for six years, he is presently district sales manager at Cleveland.

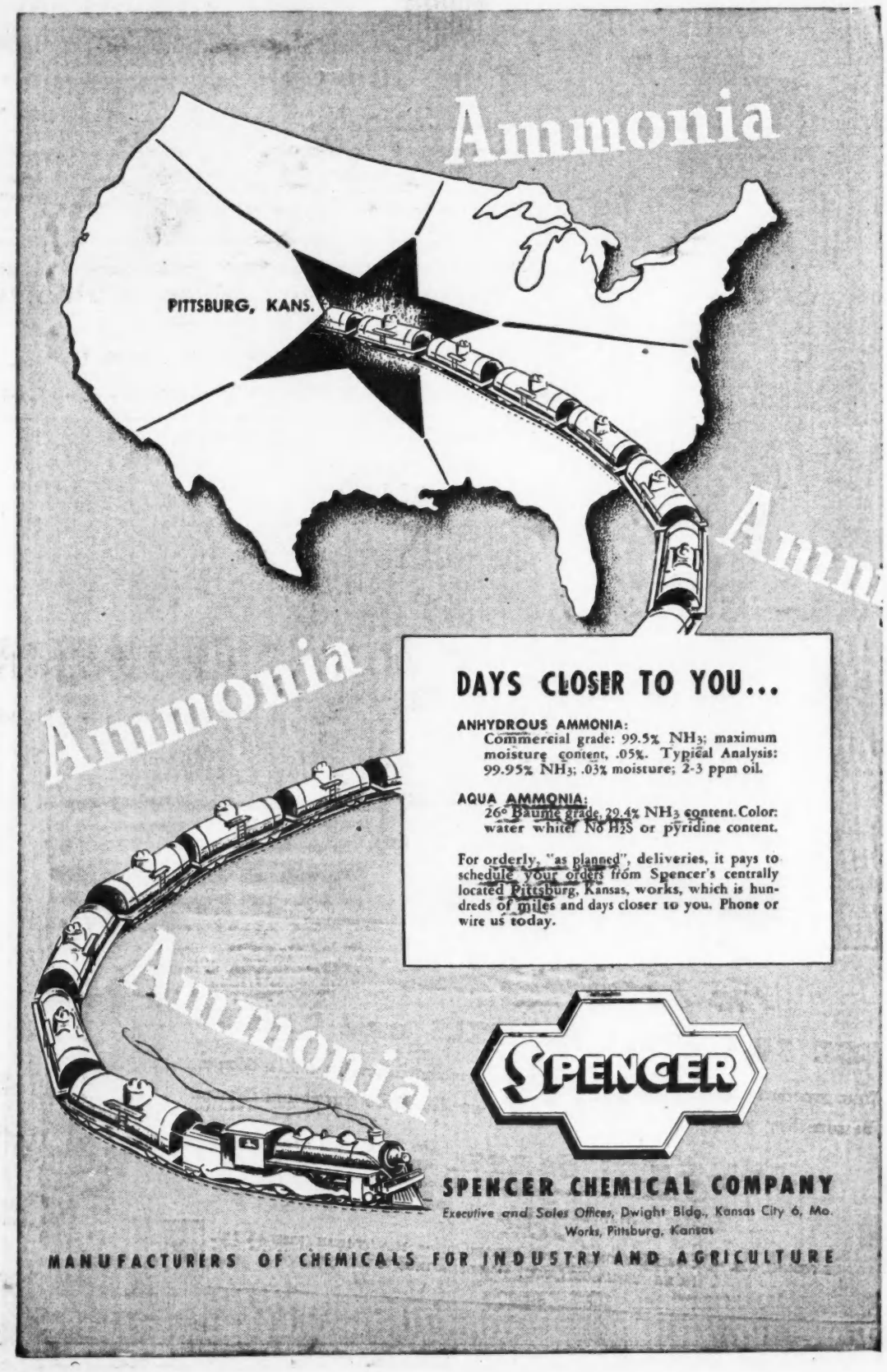
Trade Briefs

Harshaw Scientific division of the Harshaw Chemical Company, Cleveland, has developed a new laboratory fluorine cell.

Chemicals and dyes exports from the British zone in Germany in the period August 8, 1945, through February 28, 1947, were valued at £130,897, according to data published by the economic board at Minden.

"United States Patents on Powder Metallurgy," National Bureau of Standards publication M184, written by Raymond E. Jager and Rolla E. Pollard, is now available from the Superintendent of Documents, Washington 25, D. C., at at cost of 30 cents per copy.

Anglo-Canadian Home Oil Company and Calgary & Edmonton Corporation, Montreal, Canada, are working jointly on the development of a salt plant at Elk Point, Alberta, on the North Saskatchewan River. The salt supply will come from three beds whose total thickness is over 1,000 feet, starting at a depth of 2,600 feet.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Agricultural Chemicals

No unusual activity could be traced in fertilizer materials last week. There was plenty of inquiry for the basic chemicals, but in ammonium sulphate, potash and superphosphate, production is now heavily under contract. Estimates of available stocks for 1947-1948 made by the National Fertilizer Association place an increase of 8 percent for nitrogen, 9 percent for phosphoric acid and 3 percent for potash over the supply for the preceding year. Controls covering shipments of ammonium nitrate have not been eased and have come in for considerable discussion. Prices for ammonium sulphate have continued to cover the same wide range. Contract shipments of this chemical together with potash and superphosphate have accounted for the major part of the market's movement during the period under review.

Packing-house byproducts along with castor pomace were relatively quiet. Bone meal, dried blood and tankage were moved at former prices under rather scanty offerings. The castor pomace market was bare of stocks. Fish meal commanded some attention without revealing any price change. Copper sulphate was probably the most active in the insecticide and fungicide markets. The major part of demand for insecticides for this season, however, has been covered.

Fertilizer tax tag sales in 16 states for July, the first month of the new fiscal year, reached an all-time high, according to reports of state control officials to the National Fertilizer Association. This new high point in July sales is, in part, an encouraging manifestation of the growing trend on the part of American farmers to buy fertilizer early. Tag sales in 16 states for July amounted to 417,000 equivalent short tons. This was an increase of 13 percent over the 368,000 equivalent tons sold a year ago and 71 percent over the 244,000 tons reported for July, 1945. For the five years 1935-1939 the July average was only 46,000 short tons, so July sales for this year represent an increase of 797 percent.

Production figures appearing below unless otherwise designated are from the Bureau of the Census, Department of Commerce.

Nitrogenates

Ammonium Nitrate—June production was placed at 85,655 tons of original solution. This included 69,107 tons of fertilizer grade and 16,548 tons of other grades. Output in May amounted to 89,746 tons and 62,445 tons in June, 1946.

Ammonium Sulphate—Production of synthetic in June was placed at 33,602,000 pounds, compared with 39,076,000 in the preceding month and 19,738,000 pounds in June last year. Market quotations have continued to cover a relatively wide range as a result of a differential in producers' views. Most of the business placed is said to have been booked at prices prevailing at time of shipment.

Bone Meal—Buying interest has continued of sufficient dimensions to sustain former prices. Feeders have taken most of current offerings. Importations of 3,200 bags were recorded at San Francisco last week. This material came from China.

Castor Pomace—Restricted production has been used against contract accounts. No additional offerings could be traced in the open market.

Dried Blood—Scarcity of offerings during the past week gave the impression that stocks had been cleaned up. Last sales were at $7.25 per unit of ammonia.

Hoof Meal—Sellers named $7.00 per unit of ammonia. No new business was reported at that figure.

nitrate has attracted interest and increased inquiry for future shipments. Prices for

Soda Nitrate—Recent advance in Chilean domestic have not been revised and the movement is mostly to the chemical industry against existing contracts.

Tankage—Buyers have taken this material on the basis of $8.75 and there did not appear to be much stock available at the close of the week. Demand was confined to the feed trade.

Phosphates

Phosphate Rock—Active extent of consuming demand has prevented any relaxation from the tight condition of this market. Mine production has moved steadily from Florida and also from supply sources in other parts of the country. It is expected that expansion in foreign output will have a tendency to reduce the pressure for export eventually.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.6	71.6	71.5	72.1

(For Current Prices see Page 9)

Superphosphate—Shipments against contract accounts have constituted the major part of the week's movement. Producers have sold heavily ahead and the market position has remained tight. Compared with the 1945-46 fiscal year, the most significant change has been in the production of concentrated superphosphate. During the recently completed July-June period, production of concentrated superphosphate (basis 45%) amounted to 359,000 short tons, or almost 10 percent of total production; this represented an increase of 27 percent over the 282,000 tons of concentrated superphosphate (45% basis) produced in the 1945-46 fiscal year. This 27 percent increase is indicative of the efforts of the fertilizer industry to supply farmers with this type of fertilizer.

Potashes

There is no indication of easement in the demand for potash. Current output is heavily under contract, with mixers eager to increase commitments. Production has been maintained at a relatively high level and has been shipped steadily from mines. The market situation is described as tight with the outlook for adequate transportation facilities not too favorable at the present time.

Insecticides

Nothing critical was uncovered at the close of the insecticide season. Favorable weather conditions had a lot to do in taking the urgency out of the demand for calcium arsenate. There appeared to be no demand and no stocks of lead arsenate at the end of the season. Copper sulphate continued to move to Maine and some has been shipped to Florida. Nicotine sulphate closed definitely tight although intelligent allocations during the summer have resulted in buyers receiving a proportionate share of stock.

Calcium Arsenate—Production was stepped up to 8,805,000 pounds in June, which was more than double that of a year ago. Output in May was 5,492,000 pounds and in June, 1946, production registered 4,116,000 pounds. Limited shipments are still being made to the South, but unless the infestation of the cotton boll-worm increases substantially, it looks as though the season's requirements will have been covered.

Lead Arsenate—June output of acid and basic material was off substantially in June. Production was placed at 1,289,000 pounds, compared with 3,717,000 pounds in the preceding month and 4,874,000 pounds in June, 1946. The season is about over for this insecticide. Stocks never were flush but most requirements were met. Producers experienced a shortage of both lead and arsenic this year, but the close of the season found demand and stocks both flat.

The mango fruitfly, a native of the Far East, which during the war made its way to Hawaii to become a serious fruit and vegetable pest, almost slipped into continental United States recently. A plant quarantine inspector of the California State Department of Agriculture, serving as a collaborator of the Bureau of Entomology and Plant Quarantine of the Department of Agriculture, found 42 live maggots in overripe bananas in a passenger's baggage on a boat from Hawaii docking at San Pedro, California. He immediately destroyed them, preserving a few specimens, which later were identified as the mango fruitfly in its immature stage.

Sulphur and Pyrites

Major producers report an exceedingly heavy consuming demand for sulphur and assert that the inquiry is leaning toward expansion rather than contraction. Current prices for mine shipments show the former differential and depend upon the individual supplier. Foreign advices state that production of pyrites in Spain has been seriously hampered by the shortage of coal and the high prevailing costs of this fuel. Demand for pyrites abroad is said to be considerably greater than at any time in the past two years. Domestic quotations are firm at former levels.

For Late Market Developments, See Page 4

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Dibutyl Phthalate
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Coaltar Chemicals

Steel operations, following a turn downward the previous week, continued to drop last week by registering a 0.4 percent decline. The week's operations were set at 92.8 percent of ingot capacity, which was lower than a month ago, but significantly higher than a year ago.

The benzol supply was reported to be in fair balance with demand, and total production for this year was estimated at between 165,000,000 and 170,000,000 gallons, which is just enough to fill the predicted needs. Next year's needs were estimated by some authorities as likely to considerably exceed this amount by virtue of extended chemical production of items requiring this basic chemical. An example of such extended production was a predicted wider production of maleic anhydride, a chemical intermediate of fast growing importance, from benzol following the lapse of certain patents in December.

June production of benzol amounted to 1,339,105 gallons of the motor grade, 3,171,182 gallons of the 1 degree nitration grade, and 7,938,640 gallons of the 2 degree nitration grade. This represented a significant drop under May production figures. The 1 degree material dropped some 16.9 percent, while the 2 degree material fell 5 percent.

Another producer of phthalic anhydride went along with the price rise set by a big producer last month, and set prices effective October 1 at 17½ cents in carlots and 18½ cents per pound in less than carlots. Other producers who are still holding the line at the 14½ cent level were seriously considering going along with the advance because of increased costs, and such rise is expected to become general.

The naphthalene shortage continued to be critical with no relief in sight, in a tight market at firm prices. This situation continued to be reflected all down the line on the supply of such chemicals as phthalic anhydride, betanaphthol and betaoxynaphthoic acid, affecting all the many resins, colors, and plasticizers into which these chemicals ultimately find their way.

Coaltar and coaltar pitch were among the critical items in the coaltar chemical market, but prices held firm at their current levels. Phenols were no more plentiful than heretofore with producers operating at peak capacity and working under pressure to meet the demand of a backlog of orders.

Supplies of solvent naphtha were described as being in fair balance with demand. June sales of the light refined solvent dropped off spectacularly by some 65 percent under May sales. Sales of the heavy crude material were only off 9.4 percent. June production was 16.7 percent under for the crude.

Steel operations for the week beginning August 18 were scheduled at 92.8 percent of ingot capacity, a decline of 0.4 percent under the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 93.1 percent, while the indicated rate for the corresponding week last year was 89.7 percent. The present schedule is equivalent to the production of 1,623,900 net tons of ingots and steel castings, compared with 1,629,200 tons a month ago, and 1,580,900 tons a year ago.

Production, sales and stock figures given below, unless otherwise designated, are from the Bureau of Mines and relate to coke-oven by-products.

Basic Products

Benzol—Supplies of benzene were last week reported to be in reasonably good balance with demand, and for the rest of this year this situation was expected to prevail. Expanding demand from industries in certain directions were off-set by decreased usage in other directions. While nylon production, as such, does not require any major portion of the total benzene production; it is to be noted that one large producer has taken steps to divert production processes partially in the direction of using furfural for nylon production to the extent of the approximate equivalent of 2,000,000 gallons of benzol. Moreover increasing demands for insecticides are expected, but since the production of benzene hexachloride, DDT, and paradichlorbenzene were not too large this year it is expected that next years anticipated increase will not make a too significant dent in the benzol supply.

The production of maleic anhydride from benzene may next year be a significant factor in the benzene supply and demand picture. The demand for maleic anhydride is heavy and its use is expected to expand widely. It is understood that patents covering its manufacture from benzene will expire in December, giving rise to the prospective expansion of maleic anhydride production to the extent of 8 to 10 million gallons of benzol. In the event that benzol from its present sources becomes scarce, one large petroleum company is reported to be in a position to begin production on short notice. This, of course, is dependent upon a rise in benzol prices somewhat above their current levels.

Production of motor benzol during June amounted to 1,339,105 gallons, a drop of 15.5 per cent from May's production. Sales, however, were 1,466,059 gallons, being an increase in sales of 4 per cent over May. These transactions left stocks of motor grade benzol in June of 1,040,967 gallons which was 15.2 per cent below the May stocks.

Nitration 1 degree grade of benzol production in June amounted to 3,171,182 gallons, while the total production of the 2 degree nitration grade amounted to 7,938,640 gallons. These production figures represent a decrease under May production of 16.9 per cent for the 1 degree material and 5 per cent for the 2 degree benzol. Sales of 1 degree benzol during June totaled 2,950,710 gallons, a decrease below May of 12.4 per cent, leaving stocks on hand of 1,631,148 gallons, down 8.3 per cent under May inventories.

June sales of the 2 degree nitration benzol were heavy amounting to 9,316,925 gallons, up 16.7 per cent over May. This left stocks of 2 degree benzol at only 2,713,817 gallons, a drop under May of 34.4 per cent. Production of all other grades of benzol amounted to only 222,845 gallons.

Coaltar—The coaltar shortage continued last week. Water-gas process material was currently quoted at 11 cents per gallon in tankcars, 21 cents per gallon in drums, carlots, and 22 cents per gallon in less than carlot drum quantities, f.o.b. works for the crude material. The refined grade was listed at 12 cents per gallon in tankcars, 22 cents per gallon in carlot drums, and 23 cents per gallon in less than carlot drums f.o.b. works. Production of crude coaltar during June dropped 4.8 per cent under May production to 59,244,279 pounds. Sales were up 5.2 per cent over May to a total of 31,826,463 pounds, leaving stocks at the end of June amounting to 28,456,078 pounds. This figure was 6.5 per cent below the May inventory.

Naphthalene—No change occurred last week in the naphthalene situation with supplies insufficient to meet the heavy demand for this basic material. No relief was expected until some time in 1948. Meanwhile, prices held firm. June production of naphthalene of the grades solidifying at less than 70 degrees Centigrade totaled 2,126,403 pounds, an increase over May production of 14 per cent. Production of the 70 to 79 degree Centigrade solidifying grades also increased over May by 5.5 per cent, amounting to a total of 6,893,932 pounds.

Phenol—Producers of phenol were still operating last week under high pressure against a backlog of orders. The market was moving at full capacity, with prices firm, and demand consistantly heavy. This demand was expected to increase this fall under heavier calls from the plastics in-

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
134.8	134.8	133.8	128.2

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended August 23 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,133,312
Ammonia sulphate	lbs.	29,346,816
Benzol	gals.	5,698,176
Coaltar	gals.	13,718,040
Creosote oil	gals.	763,495
Naphthalene, crude	lbs.	1,813,299
Phenol	lbs.	214,733
Toluol	gals.	739,635
Xylol	gals.	167,014

For Late Market Developments, See Page 4

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dustry which after a summer slump was beginning to move again.

Other Intermediates

Betanaphthol—Effective September first, it has been reported by one producer that prices of technical betanaphthol will advance to 26c. per pound in carlots and 28c. per pound in less than carlots, which is still within the current range of prices quoted by different suppliers of 23c. to 26c. per pound carlots. Resublimed betanaphthol, however, advanced to 75c. per pound, which is a rise of 3c. per pound above current levels, in less than carlot quantities of course, since resublimed betanaphthol is not used in carloads.

The market situation on betanaphthol remained very tight last week and this reflected the napthalene shortage, the effect of which is carried into the pigment and dye industries which are large users of this chemical intermediate.

Betaoxynaphthoic Acid—This derivative of naphthalene used as a chemical intermediate in organic pigment toners and in dyestuffs was affected by the naphthalene shortage to the point of being extremely tight. Prices held firm at current levels.

Dichlorodiphenyltrichlorоethane (DDT)—Production of this chemical insecticide during the first five months of this year totaled 21,678,128 pounds, according to the United States Tariff Commission. It was reported to be in ample supply to meet demand at the new price levels established some weeks ago. No further price changes were immediately anticipated.

Monochlorobenzene — Monochlorobenzene, like the other chlorinated benzenes, was in tight supply according to reports from most producers. The total production during the first five months by tar distilleries amounted to 127,657,303 pounds. Prices held firm under heavy demand.

Paranitroanilin—One producer of this chemical advanced prices, effective September 1, by 2c. per pound, but was still within the range of prices currently quoted by other producers, namely, 41c. to 43c. per pound in less than carlot quantities.

Phthalate Plasticizers—A new price range has been set on dibutyl phthalate as a result of recent price advances in this market. Dibutyl phthalate prices were currently set at 32c. to 34½c. per pound in tankcars, with the usual differentials for smaller quantities. Other alkyl phthalats remained at their current levels.

Phthalic Anhydride—Another major producer of phthalic anhydride has gone along on the price rise announced by a major producer some weeks ago, setting prices at 17½ cents per pound in carlots and 18½ cents per pound in less than carlots, freight equalized. This three cent rise above the previous general price levels of most producers was necessitated by higher production costs of the manufacturers. Other major producers have been slow to follow, but it was expected that the 3 cent rise will become general as those companies which have not yet gone along are seriously considering the rise and studying their contract commitments. The announced price rise of the second producer to raise prices will become effective October 1.

The industries using phthalic anhydride in large amounts will no doubt be affected by this rise to the extent that it will have to be reflected in the price structure of their products. Glyceryl phthalate oil modified resins which it has been estimated consume some 35 percent or more of the total production of phthalic anhydride, and in which phthalic anhydride represents a considerable proportion of the ingredients, are certain to be affected. The savings in costs arising from reductions in oils and glycerin have been promptly passed on to the alkyd resin consumer in a series of recent price reductions. Manufacturers of alkyd resins will either have to raise prices under the new phthalic anhydride schedule, or in the event that further cost reductions develop in the oil and glycerin markets, they will have to use these cost savings to offset the additional cost of phthalic anhydride and hold prices firm at current levels.

The dyestuffs industry will also find itself affected by the rise in the price of this intermediate. Pharmaceuticals, of course, will be affected, but the plastics industry will feel a widespread effect, as well as will the lacquer industry, in both of which phthalate plasticizers are widely used. There have been recent advances in the alkyl phthalate plasticizers by some producers. Those plasticizers principally affected were dibutyl phthalate, diethyl phthalate, and dimethyl phthalate.

Tobias Acid—Prices on this chemical were advanced 2 cents per pound effective September 1, making the less carlot price 62 cents per pound. This price rise was made necessary, it was explained, by increased raw material and production costs. Demand was reported to be steady for this dyestuff intermediate.

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ALUMITE RESIDUE—70 bgs, Philipp Bros, Lowlander, Fremantle
AMYRIS OIL—8 dms, Norda Essential Oil & Chemical Co, Irish Splice, Port au Prince
ANISE—56 bgs, Horseshoe Splice, Vera Cruz
ANTIMONY REGULUS—50 cs, Metallo Chemical Refining Co, Sally Maersk, Shanghai
ARROWROOT—2,703 bgs, Morningstar Nicol, Inc, Alcoa Cavalier, St Vincent
ARSENIC—126 bbls, American Smelting & Refining Co, Horseshoe Splice, Tampico
ARTISTS MATERIAL—4 cs, Jung Forwarding Co, Noordam, Rotterdam
10 cs, Winsor & Newton, American Shipper, London
BALATA—491 bgs, Dominion Bank, Cape Sable, Belem
12 bgs, H A Astlett & Co, Santa Rosa, Cartagena
17 bgs, Wessel, Duval & Co, Cape Anna, Cristobal
132 cs, Earle Bros, Mesa Victory, Manaus
43 cs, Earle Bros, Mesa Victory, Itacoatiara
162 bls, Wessel, Duval & Co, Alcoa Cavalier, Trinidad
69 bls, Middleton & Co, Alcoa Cavalier, Trinidad
325 bls, H A Astlett & Co, Alcoa Cavalier, Trinidad
BALSAM COPAIBA—5 dms, Dodge & Olcott Co, Cape Anna, Cristobal
10 dms, Magnus, Mabee & Reynard, Cape Anna, Cristobal
2 dms, Geo Lueders & Co, Cape Anna, Cristobal
2 dms, D W Hutchinson, Cape Anna, Cristobal
4 dms, W R Grace & Co, Cape Anna, Cristobal
60 cs, Dodge & Olcott Co, Mesa Victory, Manaus
BARBASCO ROOT—193 bls, Westinghouse Electric International Co, Santa Margarita, Callao
BARIUM CHLORIDE—150 bgs, I M Sobin Co, Burckel, Antwerp
BAUXITE ORE—1,203 tons, Aluminum Ore Co, Mooring Hitch, Paramaribo
BAY OIL—1 dm, Royal Bank of Canada, Mooring Hitch, Roseau
2 dms, Geo Lueders & Co, Mooring Hitch, Roseau
BEES WAX—83 blocks, Cornelius Products Co, Examiner, Djibouti
82 blocks, Mercantile Metal & Ore Corp, Examiner, Djibouti
83 blocks, Eastern Mohair Trading Co, Examiner, Djibouti
85 blocks, Strahl & Pitsch, Examiner, Djibouti
345 blocks, Examiner, Djibouti
22 bgs, H H Pike & Co, Horseshoe Splice, Havana
50 bgs, Phoebe, Havana
14 cs, Poons Co, Inc, Borinquen, Trujillo City
18 bgs, Machado & Co, Frances, Ciudad Trujillo
45 bgs, Curacao Trading Co, Frances, Ciudad Trujillo
BILE, POWDERED—27 cs, American Ferment Co, Horseshoe Splice, Vera Cruz
BISMUTH, REFINED—118 cs, Cerro De Pasco Copper Co, Santa Margarita, Callao
BITUMEN—4,275 bgs, Wilson Carbon Co, Esso Bolivar, Aruba
BONES—80,444 lbs, Geck Trading Co, Seatrain Texas, Havana
CANARY SEED—700 bgs, Ed Mangelsdorf & Bro, North Glow, Tanger
CARAWAY SEED—350 bgs, Becker Mayer Seed Co, West Linn Victory, Rotterdam
100 bgs, A G Dunn, West Linn Victory, Rotterdam
200 bgs, R J Spitz, West Linn Victory, Rotterdam
200 bgs, Riddle Purchasing Co, West Linn Victory, Rotterdam
100 bgs, J H Forbes Tea & Spice Co, West Linn Victory, Rotterdam
25 bgs, Warner Bros, West Linn Victory, Rotterdam
100 bgs, Archibald & Kendall, West Linn Victory, Rotterdam
200 bgs, Catz American Co, West Linn Victory, Rotterdam
200 bgs, Joel Bieler Export & Import Co, West Linn Victory, Rotterdam
100 bgs, Wako Foods Co, West Linn Victory, Rotterdam
100 bgs, A Gronowitz, West Linn Victory, Rotterdam
300 bgs, Louis Furth, Inc, West Linn Victory, Rotterdam
400 bgs, C M Van Sillevoldt, West Linn Victory, Rotterdam
300 bgs, Levy & Levis Co, West Linn Victory, Rotterdam
300 bgs, Levy & Levis Co, Midland Victory, Rotterdam
100 bgs, Louis Furth, Inc, Midland Victory, Rotterdam
150 bgs, Rudolph L Friedler, Noordam, Rotterdam
50 bgs, Knickerbocker Mills Co, Noordam, Rotterdam
100 bgs, Louis Furth, Inc, Noordam, Rotterdam
25 bgs, Semville Sons, Noordam, Rotterdam
100 bgs, Holland Colombo Trading Society, Inc, Noordam, Rotterdam
CARBON POWDER—54 cks, Morgantine Brush Co, American Shipper, London
CARDAMOM SEED—24 cs, P H Petry & Co, Anchor Bend, Puerto Barrios
85 cs, W E Martin & Co, Anchor Bend, Puerto Barrios
CARNAUBA WAX—88 bgs, Innis, Speiden & Co, Cape Sable, Fortaleza
38 bgs, F B Ross Co, Cape Sable, Parnauba
88 bgs, Wm M Allison & Co, Cape Sable, Parnauba
2 bgs, Eno Chemical Co, Cape Sable, Parnauba
44 bgs, Natural Products Corp, Mesa Victory, Fortaleza
22 bgs, Wm M Allison & Co, Mesa Victory, Fortaleza
22 bgs, Mesa Victory, Fortaleza
CASSIA—457 bls, A G Dunn, Sally Maersk, Hongkong
CASTOR BEANS—1,700 bgs, Baker Castor Oil Co, Pouris, Bahia
1,329 bgs, Spencer Kellogg & Sons, Cape Sable, Fortaleza
2,818 bgs, Spencer Kellogg & Sons, Mesa Victory, Fortaleza
10,669 bgs, Baker Castor Oil Co, Mesa Victory, Recife
5,080 bgs, Spencer Kellogg & Sons, Rio Doce, Recife
5,000 bgs, Baker Castor Oil Co, Rio Doce, Recife
1,700 bgs, Spencer Kellogg & Sons, Rio Doce, Bahia
2,996 bgs, Baker Castor Oil Co, Rio Doce, Bahia
CHILLIES—30 bgs, Otto Gerdau Co, Irish Splice, Port au Prince
200 bgs, Archibald & Kendall, Irish Splice, Port au Prince
CHROME ORE—7,614 tons, Amtorg Trading Corp, Murmansk, Murmansk
CINCHONA BARK—1,080 bgs, Reconstruction Finance Corp, Coastal Conqueror, Port au Prince
60 cs, Reconstruction Finance Corp, Duivindijk, Rotterdam
80 cs, Guaranty Trust Co, Noordam, Rotterdam
CINNAMON LEAF OIL—35 dms, R C Treat & Co, Fenwell Victory, Mombasa
CITRONELLA OIL—11 dms, International Credit Handel, Tabian, Singapore
13 dms, Trubek Laboratory, Tabian, Singapore
6 dms, Lo Curto & Funk, Anchor Bend, Puerto Barrios
10 dms, Geo Lueders & Co, Anchor Bend, Puerto Barrios
40 dms, Lo Curto & Funk, Coastal Conqueror, Puerto Barrios
CITRONELLA OIL—6 dms, H A Sothern, Coastal Conqueror, Puerto Barrios
2 dms, J D Walsh, Borinquen, Trujillo City
23 dms, Volkart Bros, American Shipper, London
2 dms, J D Walsh Co, Frances, Ciudad Trujillo
COBALT, CRUDE—5,040 ingots, African Metal Corp, Lindi, Lobita
GRANULES—500 dms, African Metal Corp, Lindi, Lobita
METAL—290 cks, African Metal Corp, Bastogne, Antwerp
OXIDE, BLACK—215 cks, African Metal Corp, Bastogne, Antwerp
COCILLANA BARK—172 bdls, H E Betzow & Co, Cape Sable, Belem
319 bdls, Mitchell Beck Co, Cape Sable, Belem
COCONUT CHARCOAL—400 bgs, Examiner, Colombo
CODLIVER OIL—11 dms, Balfour, Guthrie & Co, Stavangerfjord, Bergen
120 dms, Eelsingh & Lugtigheid, Stavangerfjord, Bergen
COLOMBO ROOT—272 bgs, Roswell Victory, Dar Es Salaam
85 bgs, Roswell Victory, Zanzibar
COPAL GUM—51 bgs, Thurston & Braidich, Sally Maersk, Manila
42 bgs, H P Winter & Co, Lindi, Matadi
439 bgs, O G Innes Corp, Lindi, Matadi
1,300 bgs, Gillespie-Rogers-Pyatt Co, Lindi, Matadi
CORIANDER OIL—3 tins, J W Lyon, Duivindijk, Rotterdam
COTTON LINTERS—702 tons, Murmansk, Murmansk
COTTONSEED OIL—110 dms, Wessel, Duval & Co, Mesa Victory, Cabedello
CRESYLIC ACID—135 dms, W D Neuberg Co, Bassano, Hull
DAMMAR GUM—1 cs, A De Swann, Inc, Tabian, Tandjong Priok
DANDELION ROOT—24 bls, E Meer & Co, Midland Victory, Antwerp
DEVONIAN OIL—55 dms, Amtorg Trading Corp, Murmansk, Murmansk
DIACETYL—13 cs, Lucinol Dursion Novadel Agen Corp, Duivindijk, Rotterdam
DIATOMACEOUS EARTH—987 bgs, Whittaker, Clark & Daniels, Horseshoe Splice, Vera Cruz
DILLSEED OIL—17 dms, J W Lyon, Saginaw Victory, Antwerp
DOGGRASS ROOT—25 bls, Allaire, Woodward & Co, Midland Victory, Antwerp
DYES, ANILIN—72 dms, Geigy & Co, Barnard Victory, Antwerp
57 dms, Ciba Co, Duivindijk, Rotterdam
1 cs, Carbic Color & Chemical Co, Oregon, Havre
8 dms, Carbic Color & Chemical Co, Oregon, Havre
57 dms, Sandoz Chemical Works, Oregon, Havre
EARTH COLORS—347 bgs, Reichard, Coulston, Inc, West Linn Victory, Rotterdam
ESSENTIAL OIL—5 dms, Horseshoe Splice, Vera Cruz
EUCALYPTUS EXTRACT—3,087 bgs, Judson Sheldon Corp, Lowlander, Fremantle
FISH LIVERS—16 bbls, Norweglan American Line, Stavangerfjord, Bergen
FLIES, DRIED—67 bgs, Horseshoe Splice, Vera Cruz
FUEL OIL—59,718 bbls, Asiatic Petroleum Corp, R J Cleveland, Tampico
10,000 bbls, Asiatic Petroleum Corp, Santa Rosa, Curacao
25,000 bbls, Standard Oil Co N J, Esso Bolivar, Aruba
FULLERS EARTH—150 bgs, L A Salomon & Bro, American Shipper, London
GELATIN—200 bgs, T M Duche & Sons, Oregon, Havre
GINGER—404 bgs, A G Dunn, Irish Splice, Kingston
34 bgs, R J Prentiss & Co, Irish Splice, Kingston
112 bgs, C T Wilson & Co, Irish Splice, Kingston
60 bgs, Wm M Allison & Co, Irish Splice, Kingston
60 bgs, Otto Gerdau Co, Irish Splice, Kingston
67 bgs, Knickerbocker Mills Co, Irish Splice, Kingston
101 bgs, Archibald & Kendall, Irish Splice, Kingston
GLUE, HIDE—200 bgs, Sally Maersk, Hongkong
GLYCERIN—87,653 lbs, Colgate-Palmolive-Peet Co, Seatrain Texas, Havana
GRAPHITE—750 bgs, Joseph Dixon Crucible Co, Examiner, Colombo
785 bgs, Charles Pettinos, Examiner, Colombo
500 bgs, Asbury Graphite Mills, Examiner, Colombo
68 cs, National City Bank, Oregon, Havre
GYPSUM—2,609 tons, Newark Plaster Co, Sincoe, Walton
HAARLEM OIL—10 cs, C L Huisking & Co, Noordam, Rotterdam
HERBS—29 bls, E Meer & Co, Midland Victory, Antwerp
6 bls, Peek & Velsor, Midland Victory, Antwerp
HERRING OIL—6 dms, Balfour, Guthrie & Co, Stavangerfjord, Bergen
IPECAC ROOT—14 bgs, Rosing Bros & Co, Santa Rosa, Cartagena
26 bgs, Mecke & Co, Cape Ann, Cartagena
10 bgs, Wessel, Duval & Co, Cape Ann, Cartagena
KOLA NUTS—77 bgs, J A Manton Co, Irish Splice, Kingston
200 bgs, D Steengrafe Co, Irish Splice, Kingston
LEMONGRASS OIL—17 dms, Lo Curto & Funk, Examiner, Cochin
6 dms, Magnus, Mabee & Reynard, Examiner, Cochin
6 dms, Geo Lueders & Co, Examiner, Cochin
22 dms, H A Sothern Co, Anchor Bend, Puerto Barrios
4 dms, Givaudan-Delawanna, Irish Splice, Port au Prince
LICORICE ROOT—5 bgs, Peek & Velsor, Monte Moncayo, Barcelona
LIQUIDAMBAR—2 dms, Cortez Trading Corp, Cristobal
LIME JUICE—20 cks, W J Bush & Co, Mooring Hitch, Roseau
LIME OIL—11 cs, W J Bush & Co, Mooring Hitch, Roseau
8 cs, Ungerer & Co, Mooring Hitch, Roseau
MACE—16 cs, R J Prentiss & Co, Tabian, Macassar
140 cs, Middleton & Co, Alcoa Cavalier, Grenada
12 cs, Wm M Allison & Co, Alcoa Cavalier, Grenada
70 cs, A G Dunn, Alcoa Cavalier, Grenada
10 cs, Otto Gerdau Co, Alcoa Cavalier, Grenada
6 cs, Knickerbocker Mills Co, Alcoa Cavalier, Grenada
MAGNESIUM CARBONATE—600 bgs, Schofield, Donald & Co, Dudley H Thomas, Glasgow
MAGNESITE, CALCINED—456 bgs, Continental Ore Co, Examiner, Madras
5,400 bgs, Golwynne Chemical Co, Examiner, Madras
ORE—6 cs, A P Green Fire Brick Co, Mesa Victory, Fortaleza
MANGROVE BARK—760 bgs, Barkey Importing Co, Roswell Victory, Mombasa
2,384 bgs, Barkey Importing Co, Roswell Victory, Zanzibar
1,270 bgs, Guaranty Trust Co, Roswell Victory, Dar Es Salaam
MICA—107 cs, Wm Brand & Co, Examiner, Madras
157 cs, Wm Brand & Co, Examiner, Colombo
MINT OIL—2 dms, Magnus, Mabee & Reynard, North Glow, Tanger
MOLASSES—1,000 bbls, American Molasses Co, Mooring Hitch, Bridgetown
706,612 gls, Cuba Distilling Co, Voshell, Sagua de Tanamo
NAPHTHENIC ACID—1,215 bbls, Standard Oil Co N J, Esso Bolivar, Aruba
NISPERO GUM—6 bgs, Menkes Feuer, Inc, Cape Anne, Cristobal
NUTMEGS—67 bgs, Otto Gerdau Co, Tabian, Macassar
200 bgs, C T Wilson & Co, Alcoa Cavalier, Grenada
595 bgs, Middleton & Co, Alcoa Cavalier, Grenada
25 bgs, R G Pauli & Son, Alcoa Cavalier, Grenada
25 bgs, S C Ireland, Alcoa Cavalier, Grenada
50 bgs, S H Tyler & Son, Alcoa Cavalier, Grenada
81 bgs, Wm M Allison & Co, Alcoa Cavalier, Grenada
217 bgs, A G Dunn, Alcoa Cavalier, Grenada
28 bgs, Raphael & Son, Alcoa Cavalier, Grenada
28 bgs, Archibald & Kendall, Alcoa Cavalier, Grenada
184 bgs, J A MacGlade, Alcoa Cavalier, Grenada
50 bgs, C M Van Sillevoldt, Alcoa Cavalier, Grenada
25 bgs, Knickerbocker Mills Co, Alcoa Cavalier, Grenada
NUX VOMICA—480 bgs, Merck & Co, Examiner, Cochin
ORTHOCRESOL—38 dms, Republic Chemical Corp, Dudley H Thomas, Glasgow
ORTHONITROANISOL—20 dms, Cincinnati Chemical Works, Pierre Victory, Antwerp
OURICURY WAX—112 bgs, Cornelius Products Co, Fenris, Bahia
56 bgs, W R Grace & Co, Fenris, Bahia
PAPAIN—16 pkgs, Biddle, Sawyer Co, Examiner, Colombo
230 cs, American Ferment Co, Inc, Roswell Victory, Mombasa
27 cs, C L Huisking & Co, Roswell Victory, Tanya
PEPPER, BLACK—200 bgs, A G Dunn, Sally Maersk, Hongkong
3,161 bgs, Joensson & Cross, Examiner, Cochin
900 bgs, W E Martin Co, Examiner, Cochin
977 bgs, Otto Gerdau Co, Examiner, Cochin
WHITE—126 bgs, Mincing Trading Corp, Duivindijk, Rotterdam
70 bgs, Mincing Trading Corp, Noordam, Rotterdam
105 bgs, W L Willner, Noordam, Rotterdam
PETITGRAIN OIL—3 dms, W J Bush & Co, Irish Splice, Port au Prince
PETROLEUM, CRUDE—108,516 bbls, Standard Oil Co, Illinois, Cartagena
133,105 bbls, Imperial Oil, Ltd, Esso Richmond, Las Piedras
10,000 bbls, Gulf Oil Corp, Gulfbird, Las Piedras
105,140 bbls, Cities Service Oil Co, New Echota, Las Piedras
124,074 bbls, Standard Oil Co, Esso New Haven, Puerto La Cruz
108,342 bbls, Standard Oil Co N J, Montebello, Cartagena
POPPYSEED—100 bgs, Louis Furth, Inc, West Linn Victory, Rotterdam
100 bgs, Rudolph L Friedler, Inc, Noordam, Rotterdam
POTASSIUM HYDROXIDE—129 cs, Bergstrom Trading Co, Drottningholm, Gothenburg
PYRETHRUM FLOWERS—1,999 bgs, Westinghouse Electric International Co, Roswell Victory, Dar Es Salaam
QUASSIA WOOD CHIPS—360 bgs, R J Prentiss & Co, Irish Splice, Kingston
900 bgs, S B Penick & Co, Irish Splice, Kingston
RADIUM ELEMENT—3 cs, Radium Chemical Co, Burckel, Antwerp
3 cs, Radium Chemical Co, Bastogne, Antwerp
ROSEWOOD OIL—10 dms, Ungerer & Co, Mesa Victory, Manaus
6 dms, Ungerer & Co, Mesa Victory, Parentius
RUTILE SAND—200 bgs, Metal Traders, Lowlander, Brisbane
SAPONIN—17 cs, W R Grace & Co, Santa Margarita, Valparaiso
SARSAPARILLA ROOT—12 bls, S B Penick & Co, Horseshoe Splice, Tampico
SEEDLAC—250 bgs, Mac Lac Co, Examiner, Calcutta
250 bgs, Bradshaw, Praeger & Co, Examiner, Calcutta
150 bgs, Examiner, Calcutta
SELENIUM, POWDERED, BLACK—20 dms, African Metal Corp, Bastogne, Antwerp
SESAME SEED—200 bgs, Archibald & Kendall, Cape Anna, Cristobal
SORVA GUM—684 cs, Astoria Pan Americana, Inc, Mesa Victory, Manaus
153 cs, Herman Weber & Co, Mesa Victory, Manaus
61 cs, Herman Weber & Co, Mesa Victory, Parentins
50 cs, Astoria Pan Americana, Inc, Mesa Victory, Itacoatiara
TALC—500 bgs, Charles Mathieu, Inc, Catawba, Genoa
TANTALITE ORE—76 bgs, Bank of New South Wales, Lowlander, Fremantle
80 bgs, Bank of London & South America, Rio Doce, Fremantle
TONKA BEANS PODS—1 bg, Kennedy, Butcher & Co, Alcoa Cavalier, Grenada
TUNG OIL—100 dms, Arnhold & Co, Siemestad, Hongkong
95 tons, Universal Trading Corp, Sally Maersk, Hongkong
TUNGSTEN ORE—363 bgs, National City Bank, Mesa Victory, Cabedelle
VALERIC ACID SALT—46 demj, Chemical Specialties Co, Inc, Saginaw Victory, Rotterdam
VETIVER OIL—4 dms, J D Walsh Co, Irish Splice, Port au Prince
WATTLE BARK—2,791 bls, Hammond & Carpenter, Roswell Victory, Durban
WOLFRAM ORE—1,800 bgs, Wah Chang Trading Corp, Santa Olivia, Arica
ZIRCON SAND—9,640 bgs, Titanium Alloy Mfg Co, Lowlander, Brisbane

Baltimore

CARAWAY SEED—1,000 bgs, W G Scarlett & Co, West Linn Victory, Rotterdam
25 bgs, Baltimore Spice Co, Saginaw Victory, Rotterdam
CASSIA—30 bls, Van Norden & Archibald, Sally Maersk, Hongkong
1,350 bls, Arnhold & Co, Sally Maersk, Hongkong
IRON ORE—3,000 tons, E J Lavino & Co, Andrew Jackson, Masinloc
SESAME SEED—500 bgs, W G Scarlett & Co, Cape Ann, Cristobal
ZINC CONCENTRATES—4,430,980 lbs, American Metal Co, Santa Olivia, Callao
1,812,920 lbs, W R Grace & Co, Santa Olivia, Callao

Boston

BONES—700 bgs, J C Gilbern, Ltd, Cape Ann, Barranquilla
1,373 bgs, International Commercial Co, Lowlander, Brisbane
CARAWAY SEED—200 bgs, Boston Brokage Co, Midland Victory, Rotterdam
FISH LIVERS—70 bbls, Boston International Corp, Stavangerfjord, Bergen
GLUESTOCK—60 bls, J Garvers & Co, Horseshoe Splice, Havana
281 rolls, J Garvers & Co, Cape Anna, Barranquilla
LIME JUICE—20 cks, J P W Von Laer, Mooring Hitch, Roseau
OSSEIN—484 bgs, Atlantic Gelatine Co, Midland Victory, Antwerp
PEATMOSS—900 bls, Halfmoon Mfg & Trading Co, Midland Victory, Rotterdam

Norfolk

CHROME ORE—4,491,671 lbs, E J Lavino & Co, Roswell Victory, Beira

Philadelphia

ASBESTOS FIBER—2,720 bgs, Keasbey & Mattison, Roswell Victory, Beira
CARAWAY SEED—50 bgs, Archibald & Kendall, Midland Victory, Rotterdam
CHROME ORE—1,121,275 lbs, E J Lavino & Co, Roswell Victory, Beira
RUTILE & ZIRCON SAND—9,000 bgs, Orefractions, Inc, Lowlander, Brisbane
3,000 bgs, Foote Mineral Co, Lowlander, Brisbane

San Francisco

BONE MEAL—1,600 bgs, N V Noother & Co, Siemmestad, Tsingtao
1,600 bgs, Taylor, Malcatt & Co, Siemmestad, Tsingtao
COPRA—1,550 tons, Siemmestad, Cebu
PEPPER, BLACK—238 bgs, D Hecht & Co, Examiner, Cochin

German Textile Methods Described in Two Reports

OPD Washington Bureau

The textile printing methods of major German firms and the wet processing of synthetic fibers by I. G. Farbenindustrie at Hoechst, Germany, are described in two British reports now on sale by the office of technical services, Department of Commerce. Both reports were prepared by investigators for the British Intelligence Objectives Sub-Committee.

The textile printing report is based on an interrogation of I. G. Farben technical personnel and a visit to three German textile printing firms, Van Kempen and Muller, at Krefeld; Heinrich Habig A. G., at Herdecke, and Schuster-Insell, at Opladen. Most of the report is concerned with the development of new dyestuffs and printing methods by I. G. Farben at Hoechst.

Between 1939 and 1945 that company developed about 135 new dyestuffs, the report states. The chemical compositions of those which are used in textile printing are given in the report, although the authors caution that full details are frequently lacking owing to the destruction of plant records. The dyes discussed include vat dyes, azoic dyes, anthrasols, astrazones, dyes for acetate rayon and others.

The synthetic fiber report describes the chemical composition and processing of four I. G. Farben synthetic fibers: "Pe-Ce" fiber, "Perlon T," "Perlon L," and "Perlon U." The first is prepared from a chlorinated polyvinyl chloride, and because of its low softening temperature, is of little value for normal textile use. However, its high resistance to water, acids, alkalies and fungi, plus its good tensile strength makes it suitable for filter fabrics, fishing nets and similar fabrics, the report states.

The properties of the three perlon fibers are quite similar, according to the report. The "T" fiber corresponds to nylon, it says, while "Perlon L" is described as a polyamide fiber prepared from the lactam of aminocaproic acid, and the "U" is said to be a polyurethane fiber especially suitable for bristles.

Orders for the reports, PB-65676: "Textile Printing in Germany"; photostat $3; microfilm, $1; 45 pages; and PB-69122; "German Synthetic Fibers—Wet Processing"; photostat, $2; microfilm, $1; 17 pages; may be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D.C., and should be accompanied by check or money order payable to the Treasurer of the United States.

Trade Briefs

Rahr Color Clinic and Frederic H. Rahr, Inc., New York, have appointed Martha Shaeffer public relations director.

Schieffelin & Co., New York, has appointed Frank Miller general sales manager for its liquor import division. He was formerly eastern sales manager for the division.

Johnson & Johnson, pharmaceutical manufacturer, is offering a new display and storage cabinet as a bonus to all dealers who order twelve dozen of its medicated plasters.

Ball Brothers Glass Company plans to commence operation of its new plant at El Monte, Calif., about August 30. Initial production will be set at 150 tons of glassware daily.

Bernard H. Velzen, formerly with the Upjohn Company, pharmaceutical manufacturer, has been named assistant production manager of the Heckman Biscuit Company, Grand Rapids, Mich.

Hercules Powder Company, Wilmington, has named Harris O. Ware to direct the development activities of its dairy products division. He has been for the past ten years engaged in technical service and research work on casein and other derivatives of raw milk.

Textile and Leather Chemicals

Firmness in cornstarch and dextrin, because of the high cost of cash corn, was reflected in other starches and created a stronger tone in the sizing materials market last week. Production of corn derivatives continued at capacity and was taken against former contracts. While new business in sizing materials was light, consumers began to show more inquiry for requirements later in the year. Potato starch was in good inquiry for nearby needs and fair volume of business was placed for fall delivery at prices fractionally below those quoted for supplies on the spot. Tapioca flour continued quiet. Market, however, remained steady for spot and forward delivery. Interest in replacements lacked improvement, with shipments from Brazil reported well held at former levels. Sago flour was advanced for shipment from Singapore, which strengthened supplies on the spot. Demand was inactive.

Feature of the tanstuffs market was the advance of prices for wattle bark and extract at producing points in Africa. Shipments of bark were increased $5 per ton and solid and liquid extract was boosted fractionally. Inquiry for both materials was active and offers for shipment continued scarce. Tanners also showed a good inquiry for quebracho extract for nearby delivery. Offers for shipment were moderate and well held at current levels. Interest in other tanning materials continued slow and quotations were entirely nominal in the absence of trading.

Cattle leather production totaled 2,247,000 hides in June, compared with 2,472,000 in May, according to figures issued by the Tanners Council. All calf and whole kip leathers totaled 1,049,000, against 1,011,000. All goat and kid skins numbered 3,283,000, as compared with 3,046,000.

Chemicals

Aluminum, Acetate—Market was quiet though firm. Consumption was flush with the output. Prices were unchanged and well held.

Bichromates—Production of soda bichromate and chromate totaled 7,426 short tons during June, compared with 7,474 tons in May and 6,285 tons in June, 1946, it was reported by the Bureau of Census. Steady demand against contracts continued to absorb the output. Prices were without change and firmly maintained. Export inquiry has slackened, though it was stated that exporters were seeking moderate quantities for shipment.

Prussiates—This market remained steady, with consumers showing good inquiry for nearby requirements. Quotations were steady. Supplies were fairly liberal.

Sodium Acetate—Light supplies kept the market in a firm position. Production and consumption were evenly balanced. Quotations were well held.

Sodium, Hydrosulphite—Deliveries against former orders were reported in steady demand. Market was steady and quotations were without change. New business was chiefly of a hand-to-mouth nature.

Sulphonated Oils—Demand was more active, especially from the textile trade. Trading was mainly for prompt requirements. Prices were steady at the recent advance.

Dyestuffs

Annatto—Demand for spot stocks was limited to small lots. Quotations were without change.

Cochineal—Supplies were scarce and the market continued nominal. Offerings for shipment were light and held at former levels.

Madder—Trading was confined to small quantities. Prices were unchanged and nominal.

Sizing Materials

Albumen, Blood—While the volume of trading was restricted to actual needs, the market remained steady. Supplies were adequate to meet current demand.

Albumen, Egg—This market remained in a firm position as a result of the scarcity of supplies on spot and light offers for shipment at producing points. Inquiry was fairly active, with actual trading confined to immediate needs. Prices were unchanged and maintained for all grades.

Corn Sugar—Withdrawals against contracts were reported in good request, while new business was restricted to prompt delivery. Market was steady at the recent advance in quotations.

Dextrin, Corn—Market continued firm in sympathy with corn. Demand was active against former orders. Inquiry for nearby delivery was moderate, as inventories were said to be larger than for some time past. Quotations were well held at the recent advance.

Egg Yolk—Limited supplies here and at producing centers, continued to keep this market strong. Demand was spotty, with prices firm at former levels for edible and tanners yolk.

Sago Flour—Shipments from the Far East were reported advanced to 8¼c. per pound, New York basis. Supplies on the spot were higher at 7¾c. to 8c. per pound, as to quantity.

Starch, Corn—Conditions were firm and reflected the strength in the corn market. Consumers continued to absorb the output against previous orders. Prices were well held at the recent advance. Visible corn supply decreased 644,000 bushels to 8,125,000 bushels for the week ended August 16, compared with 11,580,000 bushels, for the same time last year, according to the Chicago Board of Trade.

Starch, Sweet Potato—Production as of August 1 was forecast at 60,238,000 bushels, by the Department of Agriculture, compared with 61,897,000 bushels, July 1, and the output of 66,807,000 bushels last year. The 10-year average is 64,200,000 bushels.

Starch, Potato—Trading in new crop was moderate and reported on the basis of 7.91c. per pound, paper bags, carlots, New York for September-October delivery. Demand for spot delivery was quiet. Export business also was limited and light sales were noted at 8¼c. per pound, carlots, burlap bags, f.a.s., New York.

Starch, Wheat—Market was quiet, but steady at the recent advance. Export inquiry was slow. Prices ranged from 6.85c. to 7¼c. per pound, bags, New York delivery depending upon quantity.

Tapioca Flour—While trading was limited the market remained steady last week. Demand for spot supplies and for replacements was inactive. Prices, however, were unchanged and well held for spot supplies. Edible grades ranged from 7½c. to 8c. per pound and dextrinable at 8¾c. to 9½c. according to quantity and seller. Brazilian market was reported quiet and steady at former levels.

Tanning Materials

Chestnut Extract—Business was light and chiefly for immediate needs. Interest in nearby requirements continued slow. Quotations were unchanged and steady.

Divi Divi—Consuming inquiry lacked improvement. Primary markets was reported steady and shipments were well held at former levels.

Mangrove Bark—While business was inactive, shipments were reported steady and held at current quotations. Arrivals totaled 4,410 bales at New York last week for delivery on prior contracts.

Myrobalans—Interest in replacements was slow, and in the absence of trading, the market was unchanged and more or less nominal.

Quebracho Extract—This market remained steady. Tanners showed a good inquiry for nearby delivery. Offers for shipment were moderate and firmly held at former levels.

Tara Powder—Offers for shipment were restricted and maintained at former quotations. Inquiry was quiet.

Wattle Extract—Prices of bark and extract were advanced at primary markets for shipment. Bark was boosted about $5 per ton and extract ⅞c. per pound. This was reflected in domestic extract and it was increased about ⅝c. per pound. Inquiry for replacements was fairly active. Trading was quiet. Merchantable bark was quoted at $69 per ton and fair average $72 per ton, ex dock, New York. Solid extract, 61 and 62 percent tannin was boosted to 8c. per pound, ex dock, plus duty. Domestic liquid, 35 percent tannin to 6⅛c. to 6⅜c. per pound, tankcars, works. Imports of bark totaled 2,790 bales at New York last week for consignment on former contracts.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Sago flour, ⅝c. per lb.
Wattle bark, $5 per ton,
extract, liquid, ⅝c. per lb.
solid, ⅞c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
323.4	322.8	313.9	296.2

(For Current Prices see Page 9)

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ALBUMENS

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POTASSIUM IODIDE, USP
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10% Calcium Carbonate
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In the medicinal field, for manufacturers of Tincture of Iodine, Baker supplies both Potassium Iodide USP, and Sodium Iodide USP and Iodine USP Resublimed. In industry there is frequently a call for Iodides in crystal form, as well as Iodine USP Resublimed.

Whatever your iodine requirements may be, when you have a need for a dependable source of iodine in any form, remember Baker.

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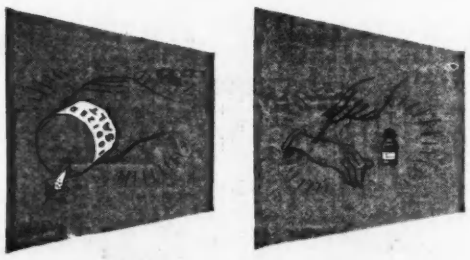

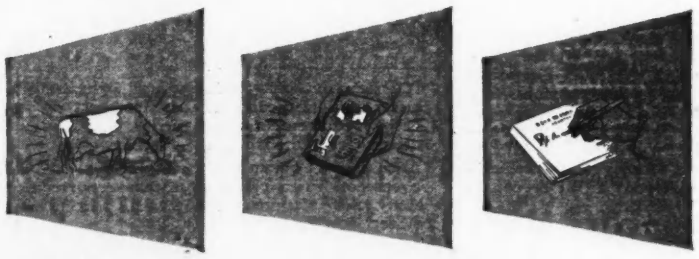

Baker's Chemicals

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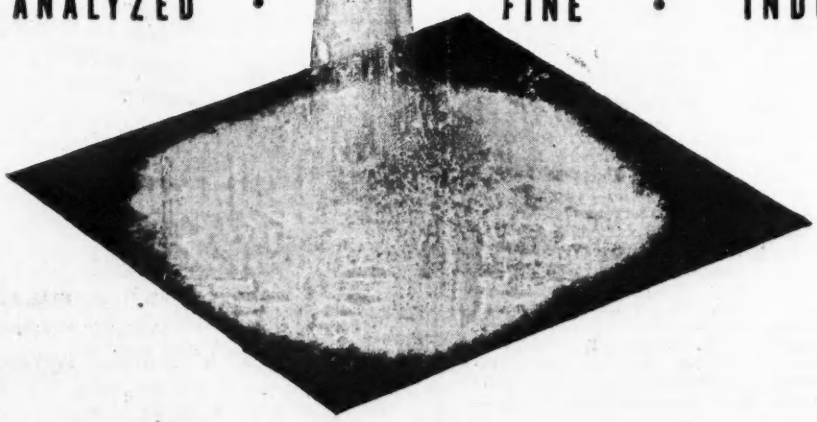

Drugs and Fine Chemicals

The fast-climbing price of silver bullion last week was reflected in the market for silver chemical derivitives, suppliers of which were encountering difficulty in establishing firm levels of prices for their products. The high cost of silver caused a sharp advance in silver nitrate but prices on bulk quantities of other derivitives had not as yet changed at week's end. Schedules on small, individual lots were uncertain.

Solvents were showing a firmer tone following the recent 10 percent reduction in quotations which unbalanced the market for two weeks. Isopropyl alcohol, which had been in a tight position for some time, was reported to be easing during the period under review. The principal reason given for the change in the situation was said to be a slackening off in the demand of consumers while the output was held at a steady level.

Because of the greater availability of acetone, one producer of natural methyl acetone lowered his price. The castor bean price was advanced but the new quotation was purely a nominal one. Manufacturers of castor oil were said to be showing little interest in offerings at this time.

The high cost of fermentation solvents, affected by the high cost of corn and the scarcity of molasses, resulted in a continuance of the tightness in acetates and ketones.

Contracts to sell and purchase raw sugar produced from sugar cane harvested in offshore areas on and after November 1, and in the mainland cane sugar area on and after October 1 (provided sugar from this area is not delivered until after October 31) have been added to the list of transactions exempt from price control, according to the Department of Agriculture. Since controls will expire on October 31, they have been lifted on present transactions to permit current dealings in raw sugar produced from the next sugar cane crop for delivery after the expiration of price controls. With minor exceptions, sugar produced from the next crops will not be ready for delivery to refiners until after October 31.

Acetanilide—Movement of supplies into consumption was fairly active during the period. Stocks were adequate but not plentiful. These circumstances tended to lend firmness to the price.

Acetone — Offerings were made more freely last week. Supplies have increased to a point where there is reported a normal flow into consuming channels. Because of the improved position in regard to acetone, prices of methyl acetone have weakened in the past few weeks.

Acid, Acetylsalicylic — Supplies of this acid were reported fairly large and inquiries and demand for prompt shipment were being accepted readily. There was a satisfactory amount of consumer interest in the market and prices were firm throughout the period.

Acid, Ascorbic—Fair supply was reported with demand holding to previous levels. Pricewise, there was no change.

Acid, Cacodylic—There was a fair amount of business transacted but mostly for small lots. Total volume of shipments was steady throughout the week. Prices were unchanged.

Acid, Citric—The continued hot weather in most sections of the country gave further impetus to consumption of products of the bottling industry. Available supplies of this acid were sufficient to meet most of the demand. Prices were unchanged.

Acid, Gallic—A steady tone was reported in the market, with manufacturing consumers keeping the demand at previous levels. Prices were unchanged.

Acid, Nicotinic — No new developments were reported in the market during the period under review. Demand was well maintained and enough acid was in stock to meet the call. Prices were firm.

Acid, Pyrogallic—A firm tone prevailed in the market. Sellers were not inclined to shade quotations following the advance of several weeks ago. A fair-size volume of stocks was available.

Acid, Salicylic—Developments in the market were few, with demand holding well although much of the call from manufacturing consumers was for small lots. Prices were steady.

Acid, Tannic—The market was reported routine last week. Demand was fair and offerings readily available. Prices were unchanged and no inclination to move them was evidenced.

Acid, Tartaric — The favorable position prevailing in argols, coupled with fairly active interests in tartaric shown by manufacturing consumers, tended to lend a firm tone to the market for this acid last week. Production costs have lowered, in terms of raw materials, but other cost factors have offset this to hold prices at a firm level.

Adeps Lanae—Supplies were reasonably ample to meet all but immediate requirements of consumers. A fair demand was reported and firmness was seen.

Agar—Open market quotations remained nominal during the week, with the uncertainty about costs, due to the duty situation, the principal factor in keeping the market off balance.

Alcohol—Firmness was reported in the market throughout the period under review and indications were that there would be little change in prices in the near future. The recent decline in prices of about 10 percent was not the beginning of a trend but rather a reflection of the situation in raw materials. Demand held well during the week.

Ammonium Chloride — The market was fairly quiet as is usual at this time of year. Heavy demand is expected within a few months and by that time stocks will be ample to meet it, according to men in the trade.

Ammonium Citrate — Small quantities were attracting the interest of consumers who were in any need of material. Although in small lots, the total volume of business during the week was sufficient to lend firmness to prices.

Ammonium Iodide—Demand was slightly better than in the previous week, but the market continued more or less routine. No price changes were reported.

Amyl Acetate—Prices held firmly during the period as the result of the shortage of this material. The lack of supplies was attributed to the tight situation in high-grade fusel oil. Demand was fair.

Antipyrene—Supply of this product remained very tight and there was far more demand in the market than could be met. Improvement in the supply picture could not be seen as far as the immediate future was concerned.

Argols—Suppliers in the United States were watching with great interest the approach of the new crop season abroad in order to estimate what future conditions will be. Demand was fairly conservative and prices were unchanged.

Atropine—There was a slight increase in the amount of material available and offerings increased proportionately. Demand was well maintained. Prices were steady.

Bismuth Metal and Salts—The market for both the metal and the salts was reported firm and unchanged last week. A good call was noted for the salts of major importance but the minor derivitives were attracting only routine interest.

Butyl Acetate, Alcohol—Producers of normal fermentation butyl acetate and alcohol failed to change quotations last week and a firm undertone in the market was reported. The raw material situation remained discouraging, with corn selling at extremely high prices.

Caffeine—Consumption remained at a high level during the period under review. Stocks were not plentiful and some prospective buyers were encountering difficulty in fulfilling their needs. Pricewise, firmness was reported.

Cadmium—Demand was at a fairly high level and expectations were that the call for the salts would be well maintained. Prices were unchanged.

Camphor—Demand for U.S.P. material was excellent during the period. Suppliers were not looking for a slackening in the call unless large quantities of the natural product began arriving from the Far East. Prices were steady.

Castor Oil—Castor bean price was advanced $2 per long ton to a level of $210 last week but the new price was purely nominal. The oil manufacturers were not

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Castor beans, Brazilian, $2 per long ton.
Silver bullion, 6c. per oz.
Silver nitrate, 4⅝c. per oz.

Prices Reduced

Methyl acetone, natural, Group A, dms., 16c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
251.6	251.6	251.9	219.5

(For Current Prices see Page 9)

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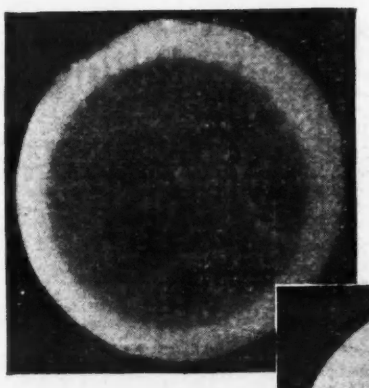
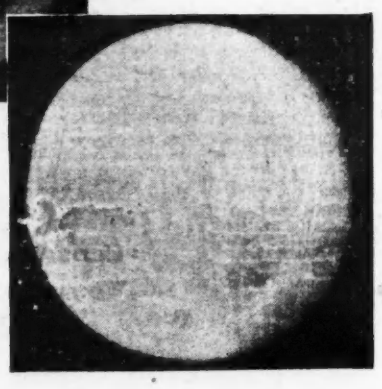


LEFT — *Sediment from ordinary U. S. P. Sodium Benzoate.*



RIGHT — *Sediment from Tennessee Products & Chemical Corp., U. S. P. Sodium Benzoate.*

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coming into the market for appreciably large quantities of beans. The Department of Agriculture authorized a supplemental export allocation of 20,000 pounds of the oil to meet established needs.

Arrivals of castor beans last week were 31,892 bags, or 4,783,800 pounds, which compares with 20,106 bags, or 3,015,900 pounds in the previous week and 20,882 bags, or 3,132,000 pounds in the corresponding week a year ago. Total arrivals since January 1 this year became 945,017 bags, or 141,752,550 pounds, against 901,293 bags, or 135,193,950 pounds in the corresponding period of 1946.

Codliver Oil—The firm situation that prevailed in the market for the past several weeks continued to characterize it. Prices were firm and unchanged and demand well maintained. Arrivals during the period totaled 131 drums from Norway.

Corn Syrup—Prices were well maintained at the advanced level established in the previous week. The rise reflected the high cost of raw materials.

Emetine Hydrochloride—The market remained dull as far as buying interest was concerned but current quotations were held firmly in view of the fact that supplies were not plentiful.

Eserine—Possibilities of larger offerings of the alkaloid were viewed optimistically last week although tightness continued to prevail. Pricewise, there was no change.

Ethyl Acetate—Demand continued active last week giving supporting strength to the prevailing schedule of prices.

Fishliver Oils—Demand for oils of low potency and for concentrates was light last week and prices were showing signs of unsettlement. No changes were made however. Eighty-six barrels of fishliver arrived from Norway.

Glycerin—Buying was well maintained last week and in certain quarters inquiries expanded. Prices were steady and unchanged. Arrival of 87,653 pounds into the country was noted.

Menthol—The situation here remained dull with both sellers and consumers apparently marking time until the end of the Summer. What movement occurred was in jobbing lots primarily. Prices were steady.

Methyl Acetone—The greater supply of acetone was reflected here by lower prices being established by one primary factor. The reduction amounted to 16c. per gallon and new quotations were 50c. per gallon for carlots, freight allowed east of the Mississippi, and 57c. for less carlots, same basis.

Methanol—This product remained in short supply last week and factors in the trade reported they could not anticipate any considerable increase before the first of the year at the earliest. An extremely brisk demand, coupled with heavy losses resulting from labor trouble, have combined to make the product difficult to obtain. Prices were unchanged.

Quicksilver—Seasonal dullness was reported in the market, with sellers inclined to hold to the previous quotations of $84 to $85 per 76-lb. flask.

Quinidine Sulphate—As reported last week prices on this material were brought into line at 95c. to $1.15 per ounce when one producer advanced his quotation to the 95c. level.

Silver Nitrate—The activity and rising prices in the metal was reflected in the market for this derivative. The price was advanced 4⅜c. per ounce to the following levels:—2,500-oz. lots, 44⅞c. per oz; 1,000-oz. lots, 46⅛c.; 500-oz. lots, 46⅜c., and 250-oz. lots, 46⅝c.

Trade Briefs

John J. Powers has become associate professor at the University of Georgia's department of food processing.

Wilt, Inc., manufacturer of shaving preparation, has appointed Leslie M. W. Neville, vice-president in charge of sales, advertising and production.

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Port of New York Import Handling Procedure Changed

The import office of the New York station has announced changes in procedure for the handling of import shipments of foods, drugs and cosmetics. In announcing the changes, McKay McKinnon, jr., chief of the station, said that they will greatly facilitate the distribution of information regarding the status of such shipments, and would consequently be given a trial.

Under the new system, beginning September 1, two green tickets will be attached by the broker to each invoice for foods, drugs or cosmetics offered at the port of New York. If the shipment is stamped "No Sample Desired" by the FDA, the invoice and both green tickets will be so stamped and one ticket will be delivered to the broker's or importer's box in the appraisers stores. This will constitute advice that the shipment will not be detained by the FDA.

If the shipment is to be sampled, both tickets will be so marked and will carry the laboratory number assigned to the shipment. One green ticket will be returned to the broker's or importer's box and a sampling notice will be mailed immediately to the importer of record. The second green ticket will be retained by the station and will be delivered to the broker's box on completion of laboratory examination, marked "released" or "detained," as the case may be.

NAW Regional Conference In Philadelphia Sept. 9

The National Association of Wholesalers will hold a regional conference of wholesalers on September 9 at the Benjamin Franklin hotel, Philadelphia. Plans call for the attendance of wholesalers from southern New Jersey, Pennsylvania, Maryland, Delaware and the District of Columbia.

In cooperation with the domestic commerce bureau of the Philadelphia Chamber of Commerce, a program is being prepared which will feature addresses by Clarence Talon jr., president of the Philadelphia Chamber of Commerce; Joseph Kolodny, president of N.A.W.; Dr. E. L. Newcomb, executive vice-president of the National Wholesale Druggists Association, and Chester C. Kelsey, executive vice-president of N.A.W.

Following a luncheon meeting and the addresses of the principal speakers, a general discussion will be held on the problems of wholesaling.

Ewing Succeeds Miller As FSA Administrator

OPD Washington Bureau

Oscar R. Ewing, New York lawyer and former assistant chairman of the Democratic National Committee, was last week appointed Federal Security Agency administrator by President Truman, succeeding Watson B. Miller, who resigned to accept appointment as commissioner of immigration and naturalization in the Department of Justice.

In his capacity as administrator of the Federal Security Agency, Mr. Ewing will have charge of the operations of the Food and Drug Administration, the United States Public Health Service, and other operations in the education and security fields.

Ugo Carusi, who vacated the immigration and naturalization post in favor of Mr. Miller, has been named special assistant to Charles E. Saltzman, designate for assistant Secretary of State, to help with the displaced-persons problem.

New York Board of Trade To Publish Business Paper

The New York Board of Trade is planning the issuance of a monthly official publication, to be called "New York Business," which it expects will make the board's work more effective and will be of aid to business executives.

Editorial policy of the publication will have as its object: the review and analysis of all legislation affecting business; combat of all unreasonable government regulation of business; giving voice to the views of management; furthering of the interests of all branches of New York business; attracting business to New York, and publicizing the advantages of doing business in New York.

Trade Briefs

Coca-Cola Bottling Company is building a new plant in Lafayette, La.

Innis, Speiden & Co. has named William E. Stadler sales representative for its larvacide division in Ohio, West Virginia and eastern Kentucky.

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Distribution Conference In Boston Oct. 20-21

The Boston Conference on Distribution, to be held at the Statler hotel in that city on October 20-21, will present an appraisal of the economic forces affecting American business, built around the two main themes, "Improving Productivity in Distribution," and "World Aspects of Distribution."

Principal speakers and their subjects will be: Norman Armour, assistant Secretary of State, "America's Stake in Europe"; Ken R. Dyke, vice-president, National Broadcasting Company, "Selling Democracy to the Japanese"; Clair Wilcox, director, Office of International Trade Policy, "The Geneva Draft of a Charter for World Trade"; Dr. James B. Conant, president, Harvard University.

Also, Alger Hiss, president, Carnegie Foundation for International Peace, "Some Aspects of Foreign Affairs and Business"; S. S. Slichter, Harvard University, "Trends in Labor Relations Affecting Distribution"; Marvin Bower, McKinsey & Co., "Throwing the Sales Program Into High Gear"; George Fry, George Fry & Associates, "Establishing Sales Control for Management," and J. J. Nance, president, Hotpoint, Inc.

Also, Jack I. Strauss, president, R. H. Macy & Co., "The Retailers Public Responsibility"; Leo Cherne, executive secretary, Research Institute of America, "Keys to World Confusion"; Rilea Doe, vice-president, Safeway Stores, "The Mutual Interests of Food Retailers," and Clive Planta, manager, Fisheries Council of Canada, and Charles E. Jackson, general manager, National Fisheries Institute, "Fisheries in the Economy of North America."

There will also be a panel discussion on "Improving Productivity in Distribution," which will be conducted by Malcolm P. McNair, professor of marketing, Harvard Business School, Paul Barkmeier, Controller, Marshall Field & Co., James D. Wise, president, Bigelow Sanford Carpet Company, and Adolph Ullman, president, Northeastern Distributors, Inc.

Edwal Labs Representatives In New York Monthly

The Edwal Laboratories, Chicago, will have two representatives at the Commodore hotel, New York, every month for the convenience of customers. Dr. W. S. Guthmann and P. J. Malmstedt will be there from September 8 to 20 and October 13 to 18. Dr. H C. Stecker and L. J. Perlman will be present from November 10 to 15, December 8 to 13 and January 5 to 10, 1948.

Orbis Describes Rotenone Resins

A six-page, two-color booklet describing its rotenone resins for the manufacture of agricultural sprays, household insecticides and specialty rotenone products has been released by the insecticide sales division of Orbis Products Corporation, New York.

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ACS Chicago Section To Hold Technical Conference

The Chicago section of the American Chemical Society will hold its third all-day technical conference on December 26 at the hotel Sherman, in conjunction with the fourteenth meeting of the American Association for the Advancement of Science.

A joint three-day chemistry program will be featured by three symposia organized by the chemistry section of the AAAS and by a series of divisional meetings conducted by the ACS section. Contributions from other areas are being welcomed by the Chicago group, and titles should be submitted to the following divisional chairmen by September 20:—

Biological and pharmaceutical, Leroy W. Clemence, Abbott Laboratories, North Chicago, Ill.; chemical education, Prof. Theodore A. Ashford, department of chemistry, University of Chicago, Chicago 37; agricultural and food, George A. Crapple, Wilson & Co., 4100 S. Ashland avenue, Chicago 9; industrial and engineering, Prof. Kenneth Anderson, Northwestern Technological Institute, Evanston, Ill.

Inorganic and analytical, Prof. George Gibson, Illinois Institute of Technology, 3300 Federal street, Chicago 16; organic, Dr. Martell M. Gladstone, Emulsol Corporation, 59 E. Madison street, Chicago 2; petroleum, Sam B. Becker, Standard Oil Company of Indiana, 910 S. Michigan avenue, Chicago 5; physical, Dr. Herman E. Ries jr., research and development department, Sinclair Refining Company, East Chicago, Ind., and radiochemistry, Prof. Willard F. Libby, Institute of Nuclear Studies, University of Chicago, Chicago 37.

Further information may be obtained from Mary Alexander, conference committee secretary, Universal Oil Products Company, 310 S. Michigan avenue, Chicago 4.

Natl. Assn. of Wholesalers Selects Contest Judges

The National Association of Wholesalers has chosen Wroe Alderson, Prof. Ralph Alexander and Prof. Harry R. Tosdal judges of the manuscripts submitted in the $1,500 prize award contest it is conducting. The contest is open to aspirants desiring to submit articles of approximately 5,000 words dealing with the wholesale industry or any specific phase of wholesaling.

The judges will select the winning manuscripts and suggest the ones they consider worthy of publication. Mr. Alderson, who will act as chairman of the board of judges, is a partner in Alderson & Sessions, management council, Philadelphia.

Prof Alexander is associate professor of marketing at Columbia University school of business, and Prof. Tosdal is professor of business administration at the Harvard Business School.

Brazil Revises Essential Commodities Import List

Brazil has issued a revised list of imported goods considered essential and therefore placed in category I of the priority schedule. Included on the list are powdered milk; hops; rennet; nonmineral oil; rosin; lac and shellac; petroleum and derivitives; natural and artificial abrasives; prime material and manufactures asbestos; sulphur; cryolite; carbon and graphite electrodes; carbide; copper; aluminium, lead, nickel, tin, zinc and antimony, in any form except manufactures; fertilizers, lead arsenate, and tin.

Trade Briefs

E. R. Squibb & Sons, New York, has elected to the board Maj. Gen. Frederick L. Anderson, recently retired from the Army Air Forces.

Carroll Dunham Smith Pharmacal Company, New Brunswick, N. J., has added Hoyland A. Wands to the staff of its product development research laboratory. He was formerly with the metabolic chemistry laboratory of the Sterling-Winthrop Research Institute.

National Industrial Conference board has conducted a survey on pay differentials which shows that in the companies contacted both salaried and hourly paid nonsupervisory employees indicate desire to maintain equitable rate relationships between the two groups.

F. J. Stokes Machine Company, Philadelphia, has developed a new machine and technique in which compressing in the manufacture of pharmaceutical tablets, chemicals, sintered carbides, vitamins, food specialties, and other materials, is done under vacuum pressures which are varied to meet conditions. The press applies a maximum of twenty tons pressure from above and below.

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PA's Survey Chairman Sees Recession Possible

P. C. Patch, survey chairman of the Purchasing Agents Association, declared last week in Chicago that a recent survey of business has proven definitely that prices are on the increase again, and he commented pessimistically on the possibility of a business recession. Indications of the new high-price spiral, he said, are given by lengthening of buying policies, lowering of order backlogs and increase in the speed of deliveries.

He added that the majority of purchasing agents who responded to questionnaires believed that there would be a recession, but thought that it would be delayed at least until the first quarter of 1948. However, he said that 43 percent of the purchasing agents believed that price increases would cause a recession before the end of this year.

WAA Sells Dyeing Plant To Burlington Mills

OPD Washington Bureau

Burlington Mills Corporation, Greensboro, N. C., has purchased facilities which it intends to use for the dyeing of natural and synthetic fabrics from War Assets Administration for $615,000. It is part of the New River Ordnance Plant, Dublin, Va., which was used during the war for the manufacture of ammunition bags.

The portion of the ordnance plant involved in the sale consists of a 319-acre tract, a bag manufacturing building, change houses, laundry and a number of miscellaneous structures. Any machinery not purchased by the company will be moved from the buildings at government expense.

Corporation Earnings

Creole Petroleum

	1947	1946
Net income, 6 mos., June 30..	$62,331,000	$42,314,001
Per share	2.34	1.59

Honolulu Oil Corp.

Net income, 6 mos., June 30..	3,070,941	1,549,601
Per share	3.28	1.65

Interchemical Corp.

Net income, 6 mos., June 30..	1,733,678	725,741
Per share	4.68	1.73

Aluminum, Ltd.

Net income, 6 mos., June 30..	8,709,000	4,300,000
Per share	11.95	5.45

North Central Texas Oil

Net income, 6 mos., June 30..	194,243	81,507
Per share	.....	.....

Abbott Laboratories

Net income, 6 mos., June 30..	5,712,464	5,238,610
Per share	3.05	3.05

American Zinc, Lead & Smelting

Net income, 6 mos., June 30..	666,564	120,262
Per share	.74	.....

Goodrich (B. F.) Co.

Net income, 6 mos., June 30..	11,264,245	12,479,390
Per share	7.82	8.74

Oceanic Oil Co.

Net income, 6 mos., June 30..	19,877	34,586
Per share	.02	.03

Armstrong Cork Co.

Net income, 6 mos., June 30..	4,105,981	1,987,617
Per share	2.70	1.19

General Aniline & Film Corp.

Net income, 6 mos., June 30..	1,677,000	2,482,000
Per share	2.29	3.38

Jefferson Lake Sulphur Co.

Net income, 6 mos., June 30	78,594	.....
Per share	.....	.....

Trade Ass'n Executives To Meet November 10-13

The American Trade Association Executives will hold its annual meeting at the Cavalier hotel, Virginia Beach, Va., on November 10-13. The meeting had previously been scheduled to be held at White Sulphur Springs, W. Va.

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ACETOPHENETIDIN U.S.P. XI
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Books of the Week

Coatings for Fiddles

Joseph Michelman, a consulting chemist, has spent almost a decade in looking at and into the printed, usually esoteric, and listening to the spoken, mostly fanciful, theories on what, how, and if the early makers of violins added to the musical value of their instruments by way of the varnishes they used. Out of this, he has done an interesting little *book, retrospective with imagination and constructive with suggestions and formulas for coatings which, he intimates, lose nothing by being modern.

There can be no question that the finishing of wood has an influence on its properties of resonance. Mr. Michelman examines this premise with scientific methods and an interest that approaches art. His results are interesting, even though one know nothing about playing a violin or making a varnish. He has finished violins which, he insists, prove his research.

*VIOLIN VARNISH, a Plausible Recreation of the Varnish used by the Italian Violin makers between the years 1550 and 1750 A.D. By Joseph Michelman. Published by the author, 5050 Oberlin boulevard, Cincinnati, at $3.75.

Semimicro Analyses

Application of semimicro technics in the field of analysis in organic chemistry has had a rather rapid expansion within a few years. These technics have been found satisfactory in much qualitative work, and are accepted for such purposes because of the savings of time and money which they make possible. They are also adopted for the fact that, being concerned with small quantities, they make for carefulness and precision on the part of the operator, something especially helpful in teaching.

A new *book explains the processes of crystallization, distillation, sublimation, optical rotation, determinations of melting and boiling points, density, and refractive indexes, and the weighing and measuring which make up semimicro identification technics. The application of these processes is further explained in their aspects of classification and testing and the important reactions with which these have to do.

Five chapters on the preparation of derivatives of organic compounds provide much useful information, particularly timely being the ramifications in the field of drugs. A useful chapter has to do with the separation of mixtures, a job that faces analysts almost every day. One of the newer topics is in the next chapter (15)—chromatographic analysis. A group of twenty-six problems is offered. Forty-one tables of melting-points of derivatives of 141 acids, thirty-five acid anhydrides, forty-nine acid halides, 146 alcohols, ninety-eight phenols, 183 esters, sixty-seven ethers, fifty-five aldehydes, seventy-five ketones, and eleven acetals, 141 amines, 118 amides, sixty-two amino acids, 150 halides, 145 nitro, azo, and related compounds, twenty-five carbohydrates, 139 hydrocarbones of various types, and about 150 sulphur compounds contribute much to the reference usefulness of the book. There is also a descriptive tabulation of 223 miscellaneous and physiologically active compounds. The tables are not alphabetically arranged, but there is an alphabetic index of them in addition to one covering the main text.

*SEMIMICRO QUALITATIVE ORGANIC ANALYSIS. By Nicholas D. Cheronis, chairman of the department of chemistry, Chicago City College (Wright branch) and director of the Synthetical Laboratories, and John B. Entrikin, head of the department of chemistry, Centenary College of Louisiana. Published by Thomas Y. Crowell Company, 432 Fourth avenue, New York 16.

Armour & Co. Plans to Build Triple Superphosphate Plant

Plans are being made by Armour & Co., Chicago, for the construction of a $2,000,000 triple superphosphate plant near Bartow, Fla. Although the arrangements have not reached the stage where a date could be set for start and completion of construction, W. F. Eger, Florida representative of the company, said that it is planned to open a mine to supply the processing plant.

The company owns a mine near Bartow which was closed down in 1924, but it was not revealed whether it is planned to reopen this installation.

Federal Chemical Elects John V. Collis President

The Federal Chemical Company, Louisville, Ky., has elected John V. Collis as president to succeed Claude T. Brown, resigned. Jefferson D. Stewart, jr., has been elected vice- president. Both men have been with the company eleven years, Mr. Collis in the capacity of a director. The company operates fertilizer plants in Nashville, Tenn.; Meridian, Miss.; Columbus, Ohio, and Louisville, and has phosphate mines in East Tennessee.

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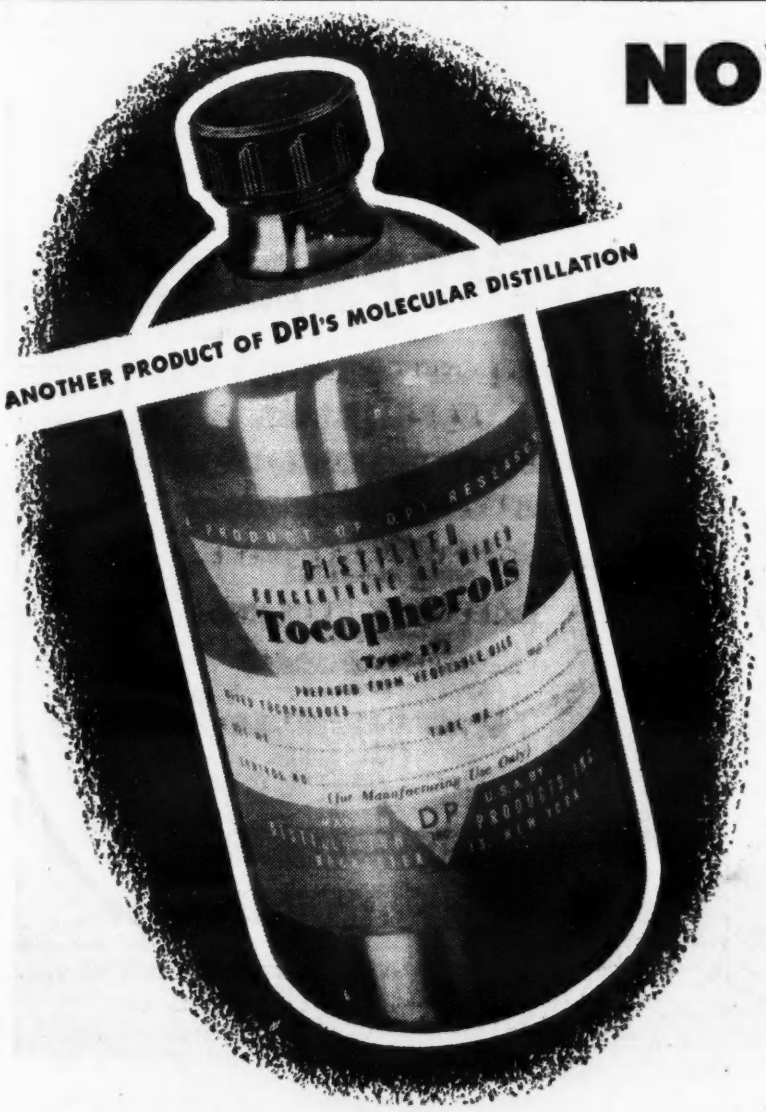

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Uses: Antiseptic, fungicide and spermicide.

p-Diazodimethylaniline, $ZnCl_2$ Salt (Compound No. 8)

Props: Yellow to orange crystals. Moisture: 5-20%; chlorine: 31-35%; zinc: 17-23%. Water solubility: 1%.

Uses: Used with R-Salt in making blue line papers

Potassium Thiocyanate, NF

Props: White, hygroscopic prismatic crystals. Purity: 99% minimum. Water solubility: 177 gms/100 at 0°C., 217 gms./100 at 20°C. Solution neutral to litmus.

Uses: In compounding organic pharmaceutical proprietary products.

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Current Market Quotations

Sodium Phosphate, Monobasic—Stavesacre Seed

—Continued from page 29

Sodium phosphate, monobasic, anhyd., bgs., c.l., works	100 lbs.	7.25	8.25
l.c.l., works	100 lbs.	7.65	9.00
tribasic, anhyd., bgs., c.l., works, frt. equald.	100 lbs.	7.00	—
l.c.l., same basis	100 lbs.	7.50	8.00
cryst., bgs., c.l., works, frt. equald.	100 lbs.	3.50	—
l.c.l., same basis	100 lbs.	3.90	—
kgs., c.l., same basis	100 lbs.	4.20	—
l.c.l., same basis	100 lbs.	4.40	—
Sodium phosphates in bbls. 40c higher than bgs.			
USP (see Sodium phosphate, dibasic).			
Prussiate, yellow, bgs	lb.	.12	—
bbls.	lb.	.12½	—
Pyrophosphate, acid, bgs., c.l., works, frt. equald.	100 lbs.	11.25	—
l.c.l., same basis	100 lbs.	12.00	—
ferric, dms., 10,000 lbs., works.	lb.	.22	—
smaller lots works	lb.	.22½	—
tetrabasic, anhyd., bgs., c.l., works, frt. equald.	100 lbs.	6.00	—
Ricinoleate, tech., bbls.	lb.	No stocks	
Salicylate, dms.	lb.	.57	.60
Sesquicarbonate, bgs., c.l., works.	100 lbs.	1.50	—
bbls., c.l., works	100 lbs.	1.70	—
l.c.l., divd. zone 1	100 lbs.	2.70	—
zone 2	100 lbs.	2.85	—
zone 3	100 lbs.	3.10	—
zone 4	100 lbs.	3.50	—
Sodium sesquicarbonate l.c.l. price zones are same as those for soda ash.			
Sesquisilicate, bbl., c.l., works.	100 lbs.	3.90	—
l.c.l., divd	100 lbs.	5.15	5.30
Silicate, 40°, turbid, dms., c.l., works.	100 lbs.	.95	1.15
l.c.l., works	100 lbs.	1.20	1.30
tanks, works	ton.	15.00	—
52°, turbid, bms., c.l., works,	100 lbs.	1.65	—
l.c.l., works	100 lbs.	1.80	2.00
tanks, works	ton.	27.00	—
Silicofluoride, bbls., c.l., works	lb.	.07½	—
l.c.l., works	lb.	.08½	—
Stannate, dms., works, frt. alld. E.	lb.	.43½	.47½
Stearate, bbls. works	lb.	.19	.24
Sulphate, NF VII, dried, powd., bbls.	lb.	.10	.10½
tech., anhyd., bgs., c.l., works.	100 lbs.	2.10	—
l.c.l., works	100 lbs.	2.35	2.60
cryst. (see Glauber's salt).			
USP, cryst., gran., bbls	lb.	.07	.07½
Sulphide, cryst., bbls., c.l., works.	100 lbs.	3.25	—
l.c.l., divd	100 lbs.	3.65	—
flake, bbls., c.l., works	100 lbs.	4.00	5.50
l.c.l., works	100 lbs.	4.50	4.75
lump, bbls., c.l., works	100 lbs.	3.50	5.50
l.c.l., divd	100 lbs.	4.00	5.90
Sulphite, cryst., bgs., c.l., works.	100 lbs.	2.60	—
l.c.l., works	100 lbs.	3.00	—
bbls., c.l., works	100 lbs.	3.00	—
l.c.l., works	100 lbs.	3.40	—
powd., bbls., c.l., works	100 lbs.	5.25	—
l.c.l., works	100 lbs.	5.50	6.00
Sulphocarbolate, USP IX, gran., bbls., dms.	lb.	.28	.33
powd., bbls.	lb.	.30	.35
Sulphocyanide, CP, dms.	lb.	.55	.65
tech., dms., works	lb.	.30	—
Sodium sulphoricinoleate, bbls	lb.	.12	—
Sulphydrate, flake, 70-72%, dms., c.l.	lb.	.05	—
Thiocyanate (see Sodium sulphocyanide).			
Tripolyphosphate, bgs., works, frt. equald.	lb.	.07¼	.08½
l.c.l.	lb.	.05½	—
liquid, 45%, tanks, works	lb.	.04¾	—
Thiosulphate, tech. (see Sodium hyposulphite).			
USP, cryst., bbls	lb.	.10	.12
Tungstate, tech., bgs	lb.	1.45	—
Sodium-ammonium phosphate, bbls., works, frt. equald.	lb.	.23	—
Sodium-carboxymethylcellulose, high vis., ctns., 2,000 lbs., works frt. alld.	lb.	.68	—
smaller quantities, same basis.	lb.	.70	—
Low and med. vis., ctns., 2,000 lbs., same basis.	lb.	.62	—
smaller quantities, same basis.	lb.	.68	—
Sodium-cinchophen, nots., dms., works.	lb.	5.00	5.10
Sodium-formaldehyde sulphoxalate, stand. cont.	lb.	.19	.22
Sodium-sulpha drugs (see Sulpha name).			
Solvent naphtha, coaltar, dms., works.	gal.	.28	—
tanks, E. of Omaha, frt. alld.	gal.	.28	—
W. of Minnequa, Colo., works.	gal.	.23	—
high-flash, dms., works	gal.	.32	—
tanks, frt. alld. E. of Omaha to 2c. to 3¼c. per gal.	gal.	.27	—
petroleum, 100°F. flash, tanks, Baytown, Tex.	gal.	.22	—
150°F. flash, tanks, same basis.	gal.	.22	—
Sorbitol, com'l, dms., c.l., works	lb.	.25½	—
l.c.l., works	lb.	.26	.35
Soybean flour, industrial, bgs., c.l., divd. E. of Rockies	lb.	.068	—
truckloads, same basis	lb.	.070	—
smaller lots, same basis		.072	—
Protein, bgs., 40,000 lbs., works	lb.	.25½	—
20,000 lbs., works	lb.	.23¾	—
smaller lots, works	lb.	.26	.29½
Spearmint leaves, bls.	lb.	.48	.49
Spikenard root, bls.	lb.	.50	.55
Spruce extract, liq., reg., tanks, works.	lb.	.01¾	—
powd., super, bgs., c.l., works	lb.	.05¼	—
Squaw vine, leaves, bls.	lb.	.45	.50
Squill, red, fortified, powd., bbls., boxs.	lb.	1.60	—
White, bls.	lb.	.10	.12
powd., bbls., bxs.	lb.	.16	.20
St. Ignatius beans, bgs.	lb.	No stocks.	
St. John's bread, edible, bls.	lb.	.12	.18
Starch, corn, pearl, paper bgs., c.l.	100 lbs.	6.82	—
Chicago	100 lbs.	6.57	—
l.c.l.	100 lbs.	6.97	—
powd., paper bgs., c.l.	100 lbs.	6.93	—
Chicago	100 lbs.	6.48	—
l.c.l.	100 lbs.	7.08	—
Prices for corn starch in cotton bags, 17c. higher.			
Potato, bgs., c.l.	lb.	.08¾	—
l.c.l.	lb.	.09¼	—
Rice, bgs., c.l.	lb.	No stocks	
Sweetpotato, bgs., c.l.	lb.	No stocks	
Wheat, bgs., c.l.	lb.	.0610	.0630
Stavesacre seed, bgs.	lb.	.60	.61

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Storax, USP, cs. lb. 1.00 - 1.10
Stramonium leaves, bgs. lb. .20 - .25
Seed, bgs. lb. .20 - .21
Streptomycin, hospitals gram. 4.00 - —
wholesalers gram. 3.20 - —
Strontium bromide, NF, cns., dms. cs. .50 - .55
Carbonate, 90%, bbls. lb. .14 - .16
98%, bbls. lb. .23 - .25
Chloride, tech., bbls. lb. .22 - .24
Chromate, bbls., kgs., Phila. lb. .40 - .42
Iodide, jars, 25 lbs. lb. 3.00 - 3.06
Lactate, dms. lb. 1.30 - 1.35
Nitrate, bbls., c.l., works lb. .07¾- —
l.c.l., works lb. .08¼- .08¾
Oxalate, bbls., works lb. .38 - .40
Salicylate, NF, dms. lb. 1.25 - 1.33
Sulphate, air-floated, 90% 325 mesh, bbls., works, con. 58.00 - —
Strontium-calcium sulphide, luminescent, dms., works lb. 2.50 - 2.85
Strophanthin, bots. oz. 30.00 -50.00
Strophanthus seed, Kombe, bgs. lb. 2.25 - 2.30
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrolyl acetate, bots. lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .50 - —
tech., bbls., l.c.l., works lb. .45 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, USP, dms., works lb. 9.00 - 9.10
Sulphadiazin - sodium, USP, dms., works lb. 10.50 -10.60
Sulphaguanidin, USP, dms., works, lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works, lb. 9.00 - 9.10
Sulphamazerin - sodium, USP, dms., works lb. 10.50 -10.60
Sulphanilamide, USP, powd., bots., works lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, NF, powd., bots., tins, works lb. 5.00 - 5.15
Sulphapyridin - sodium, powd., bots., dms., works lb. 5.00 - 5.15
Sulphathiazole, USP, powd., dms., works lb. 3.00 - 3.15
Sulphathiazole - sodium, USP, dms., works lb. 3.00 - 3.15
Sulphonethylmethane, NF, kgs. lb. 6.75 - 6.85
Sulphonmethane, NF, kgs. lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract long ton. 16.00 -18.00
vessels, Gulf ports, contract. long ton. 19.50 - —
export long ton. 20.00 - —
flour, comm'l, 99½%, bgs., c.l., works 100 lbs. 1.80 - —
l.c.l., works 100 lbs. 2.15 - —
precipitated, USP, bbls., kgs. lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works 100 lbs. 3.15 - —
l.c.l., works 100 lbs. 3.50 - 3.90
heavy, bgs., c.l., works 100 lbs. 2.85 - —
l.c.l., works 100 lbs. 3.20 - 3.60
light, bgs., c.l., works 100 lbs. 2.95 - —
l.c.l., works 100 lbs. 3.30 - 3.60
flowers, USP, bgs., c.l., works, 100 lbs. 3.30 - —
l.c.l., works 100 lbs. 3.65 - —
Refined sulphur flowers in bbls., 3-5c. higher.
rocks, bgs., c.l., works 100 lbs. 2.45 - —
l.c.l., works 100 lbs. 2.80 - —
roll, bbls., c.l., works 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.00 - 3.40
rubbermakers', bgs., c.l., works, 100 lbs. 2.15 - 2.60
Sulphur chloride, 25-gal., dms., c.l., works lb. .03 - .03½
l.c.l., works lb. .04 - .04½
10-gal. dms., c.l., works lb. .07 - .07½
l.c.l., works lb. .08 - .08½
Dioxide, liquid, com'l, cyls., works, lb. .085 - —
multi-unit cars, works lb. .06 - —
tanks, works lb. .044 - —
refrigeration, cyls., l.c.l., works, lb. — - —
Iodide, bots., jars lb. 3.90 - 4.11
Sumac bark, grd., bgs., ex dock ton. 105.00 - —
Extract, No. 1, bbls. lb. .10½- —
No. 2, bbls. lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .11 - .13½
Leaves, bgs., ex dock ton. 105.00 - —
Superphosphate run-of-pile, under 22% a.p.a., pulv., bulk, Balto. unit-ton. .76 - —
Florida unit-ton. .56 - .59
other points unit-ton. .57 - .59
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charges from Anaconda, Mont., in excess of $18.03 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.
Triple, 48% or more, a.p.a., pulv., bulk unit-ton. .71 - —
South Carolina unit-ton. .75 - —
Tennessee unit-ton. .80 - —
Prices on 48% triple superphosphate in other states and D.C., 7½c. per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls. lb. 1.10 - 1.25

T

Talc, dom., ordinary, grd., bgs., c.l., works ton. 24.50 - —
l.c.l., works ton. 29.50 - —
Calif., bgs., c.l., works ton. 22.00 -30.00
New York, bgs., works ton. 18.00 - —
Vermont, bgs., c.l., works ton. 14.00 - —
l.c.l., works ton. 17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton. 15.00 - —
l.c.l. ton. 26.50 - —
88.95-99.95%, grd., bgs., c.l., works ton. 21.00 - —
l.c.l., works ton. 26.50 - —
98-99.5%, grd. works, bgs., c.l. works ton. 24.50 - —
l.c.l., works ton. 30.50 - —
Imp., Canada, grd., bgs., c.l. ton. 35.60 -45.00
Tallow, inedible, extra, loose lb. .11¾- —
fancy, loose lb. .12 - —
special, loose lb. .11⅝- —
sulphonated, 25%, dms lb. .07½- .07¾
50%, dms. lb. .10¾- .11
Tamarinds, bbls. lb. .10 - .12
Tankage, animal, feeding, 9-11% ammon., bulk, unit-ton. 8.25 - —
Chicago unit-ton. 9.00 - —
fertilizer, 9% ammon., 10% b.p.l., bulk unit-ton. No stocks.
10-11% ammon., 15% b.p.l., bulk Chicago unit-ton. No stocks.
Tansy leaves, bls. lb. .15 - .16
Tapioca flour, Brazilian, bgs. lb. .07½- .09½
Java, bgs. lb. No stocks.
Tar acid oil, 15-18%, ret dms., c.l., works gal. .35 - —
l.c.l., works gal. .38 - —
25%, dms., c.l., works gal. .41 - —
l.c.l., works gal. .44 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports long ton. No prices
powd., bgs., c.l., same basis long ton. 225.00- —
Tarragon herb, bgs. lb. .35 - .55
Leaves, bgs. lb. .95 - 1.00
Tartar emetic, tech., gran., or powd., bbls., kgs. lb. .41 - —
dms. lb. .41½- .44
USP, powd., bbls., dms., kgs. lb. .45 - .48

Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. lb. .25 - .25½
USP, cryst., bbls., dms. lb. .70 - .75
powd., bbls., dms. lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
pure, dms lb. .40 - .56
extra, dms. lb. .47 - .71
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpiny. acetate, extra, cns., dms. lb. .80 - 1.10
prime, cns., dms. lb. .61 - 1.00
Terra alba (see Gypsum).
Tetrachlorethane, dms., works lb. .08 - .08½
Tetrachlorethylene, USP, 55-gal. dms., works lb. .20 - .21½
smaller dms., works lb. .23½ - .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .65 - —
Tetraethylenepentamine, tanks, works. lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., works, lb. 20.00 - —
Theobromine, bots., kgs. lb. 4.60 - 4.80
Thiamine hydrochloride, dms., 100 grams kilo. 160.00 - —
Thiocarbanilide, dms. lb. .24 - —
Thiouracil, dms., works lb. 5.50 - 5.60
Thiourea, tech., dms., works lb. .40 - —
Thorium nitrate, cs., works lb. 3.00 - —
Thyme, French, bgs. lb. .16½- .17
futures, bgs. lb. .15½- .16
Spanish, bls. lb. .11½- .12
Thymol, USP, cns. lb. No prices
[illegible], NF, dms. lb. 4.25 - —
Timbo root (see Cube root).
Tin crystals, bgs., bbls., works lb. .55 - .60
Metal, Bolivian lb. .80 - —
Straits lb. .80 - —
Oxide, bbls. lb. .80 - .82
Tetrachloride, anhyd., dms., works, lb. .50 Nom.
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd. lb. .16½- —
l.c.l., dlvd. lb. .17 - .17½
plain, bgs., c.l., dlvd. lb. .16½- —
l.c.l., dlvd lb. .17½- —
rutile, nonchalking, bgs., c.l., dlvd. E. lb. .18½- —
l.c.l., dlvd. E. lb. .19 - .19½
Hydride, cns., works lb. 7.00 - 8.00
Pigment, barium base, bgs., c.l., dlvd. lb. .06½- —
l.c.l., dlvd lb. .07 - —
Calcium base, bgs., c.l., dlvd. lb. .06½- —
l.c.l., dlvd lb. .06¾- —
Calcium-rutile base, bgs., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd. lb. .06¾- —
Magnesium base, bgs., c.l., dlvd, lb. No prices
l.c.l., dlvd lb. No prices
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse., ½c. higher.
Tetrachloride, CP, 55-gal. dms., works lb. .57 - —
smaller, pkgs., works lb. .65 - 1.22
technical, 55-gal. dms., works lb. .52 - —
smaller pkgs., works lb. .60 - 1.60
Tolu balsam, cns. lb. 2.85 - 2.90
Toluene (see Toluol).
Toluidin base, distilled, kgs. lb. 1.00 - —

Stearin—Trichloroethane

Toluol (toluene) 2°, indust., ret. dms., works gal. .28 - —
tanks, E. of Omaha, frt. alld. gal. .23 - —
W. of Minnequa, Colo., works. gal. .23 - —

Prices on 2° toluol from petroleum, tanks delivered (maximum freight allowance in parentheses), are:—Ark., 23c.; Chicago, 23c. (2¾c.); Del.-Md.-D. C., 23c. (2¾c.); Detroit, 23c. (1 3/10c.). La., 23c.; N. E., 23c. (2¼c.); N. J., 23c.; N. Y., 23c.; E. Tenn. & N. C., 25c. (5c.); Pa., 23c. (2¾c.); S. C., 23c.; W. Tenn., 23c. (3¾c.); Va., 24c. (3½c.); W. Va., 23c. (2¾c.).

1° nitration, ret. dms., works gal. .28 - —
tanks, E. of Omaha, frt. alld. gal. .23 - —
W. of Minnequa, Colo., works gal. .23 - —
Tonga, 50% bark and vine, bls. lb. .90 - .91
Tonka beans, Angostura, cks. lb. 1.70 - 1.80
Brazilian, cs. lb. .85 - .90
Surinam, cs. lb. .85 - .90
Totaquine, USP, 100-oz. lots oz. .52 - —
Triacetin, dms., works lb. .40½- —
Triamylamine, dms., c.l., works lb. .98 - —
l.c.l., works lb. 1.01 - —
Tributyl citrate, dms. lb. .41 - .50
smaller pkgs. lb. .54 - .56
Phosphate dms., l.c.l., frt. alld., E. of Rockies lb. .68 - —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works lb. .81 - —
tanks, same basis lb. .07½- .09¼
Trichlorobenzene, dms., c.l., works, frt. alld. or equald lb. .08¼- .11
l.c.l., same basis lb. .09½- .12
Trichloroethane, dms., c.l., works lb. .15 - —
l.c.l., works lb. .17 - —

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HARD RESINS — ETHERS
ALKYDS — PLASTICIZERS

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FLEXIBLE GLUES — CHEWING GUM — POLISHES
LEATHER — CANDY — YEAST
PAPER — TOBACCO — SOFT DRINKS
PHARMACEUTICALS — PRINTERS' ROLLERS

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PALE AND RICH GOLD, ALL GRADES

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Trichloroethylene, dms., c.l., frt. alld., zone 1..lb. .09¼- —
zone 2.....lb. .10 - —
zone 3.....lb. .10¼- —
zone 4.....lb. .10½- —

Trichloroethylene l.c.l., prices ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., N. D., Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate, coaltar, dms., c.l., divd..lb. .32¼- .33
l.c.l., divd.....lb. .33 - .33½
tanks, divd.....lb. .31 - .32
petroleum, dms., c.l., divd.....lb. .37 - —
l.c.l., divd.....lb. .37½- —
tanks, divd.....lb. .36 - —
Triethanolamine, dms., c.l., frt. alld. E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%.....lb. .36 - —
tanks, works, basis 100%.....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. E..lb. .18½- .19
l.c.l., same basis.....lb. .19½- .21
tanks, same basis.....lb. .17½- —
Triethylenetetramine, tanks, works.lb. .50 - —
Trimethylamine, anhydrous, cyl., works, basis 100%..lb. .29½- .30½
25%-40%, dms., c.l., works, basis 100%..lb. .29 - —
l.c.l., works, basis 100%.....lb. .29½- —
tanks, works, basis 100%.....lb. .25 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .26 - —
l.c.l. frt. alld.....lb. .27 - —
Tripoli, air-floated, bgs., c.l., works.lb. .0175- —
double-grd., c.l., works.....lb. .016 - —
single-grd., bgs., c.l., works.....lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms., works..lb. 2.85 Nom.
Oxide, kgs., works.....lb. 4.75 Nom.
Turmeric root, Alleppey, bls.....lb. .22 - .22½
Haitian, bls.....lb. .14 - .15
Jamaica, futures, bls.....lb. .15 - .15½
Madras, bgs.....lb. .18½- .19
Turpentine, gum (see Naval Stores, Protective Coatings market).
Sulphate, ref. dms., East.....gal. .65 - —
tanks, East.....gal. .40 - —
Wood, dest.-dist., dms. incl., c.l., works, South.....gal. .50 - —
l.c.l., same basis.....gal. .55 - —
N. Y. whse.....gal. .66 - —
tanks, works, South.....gal. .40 - —
steam-dist., dms. incl., l.c.l., East. gal. .76 - —
tanks, South.....gal. .55 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 40% N., bgs., c.l., works or ship. pts..ton.73.00 - —
l.c.l., ship. pts.....ton.75.50 -80.50
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports. ton.57.40 - —
fixed ammonia content, Atlantic and Gulf ports..NH_3-ton.116.80 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..NH_3-ton.112.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Uva ursi leaves, bls.....lb. .13 - .14

V

Valerian root, Belgian, NF, bls...lb. .56 - .58
Indian, bls.....lb. .40 - .41
Valonia beards, bgs., ex dock.....ton.73.00 -75.00
Cups, bgs., ex dock.....ton.53.00 -54.00
Extract, powd., bgs., ex dock...lb. .10½- .10¾
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins.....lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, tins.....lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25.....lb. 4.50 - —
smaller lots.....lb. 4.55 - 4.65
ex guaicol, tins, 25 lbs.....lb. 3.00 - —
smaller lots, tins.....lb. 3.05 - 3.15
ex lignin, tins, 25 lbs.....lb. 3.00 - —
smaller lots, tins.....lb. 3.05 - 3.15
Venice turpentine, artif., cns.....lb. .24 - .25
Verdigris, bbls.....lb. .28 - .29
Vinyl acetate, cbys., works.....lb. .25 - —
dms., c.l., works.....lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ref, dms., works....lb. 1.50 - —
Viosterol, bots., 100 billion USP units mill units .04 - —
1 billion USP units....mill units. .05 - —
100 million USP units..mill units. .07 - —
Vitamin A (see Oils, codliver, fishliver).
A concentrate, dms., works.... mill. units. .36 - .40
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotin, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. napththa (see Petroleum naphtha).

W

Wahoo root bark, bls.....lb. 1.75 - 2.00
Tree bark, bls.....lb. .45 - .50
Wattle bark, fair average, bgs., f.a.s. ton.71.00 -72.00
merchantable, bags, f.a.s.....ton.68.00 -69.00
Extract, liquid, 35% tannin, bbls., works..lb. .06¾- .07¾
tanks, works.....lb. .06¼- .06¾
solid, E. Afr., 61% tannin, in bond, ex dock..lb. .08 - —
S. Afr., 62% tannin, ex dock, in bond..lb. .08 - —
Wattle extract prices based on $20 freight and $1 insurance per long ton.

Trichloroethylene—White Precipitate

Wax, amorphous (see Wax, micro crystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, cakes, cs..lb. .68 - .72
slabs, bgs.....lb. .68 - .70
crude, African, bgs.....lb. .53 - .54
Western hemisphere, bgs.....lb. .54 - .55
refined, yellow, bricks, cs.....lb. .58 - .63
slabs, bgs.....lb. .57 - .62
Candelilla, crude, bgs.....lb. .63 - .64
refined, bgs.....lb. .65 - .66
Powdered candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. .92 - .95
North country, No. 2, ton lots....lb. .98 - 1.00
No. 3, bgs., ton lots.....lb. .94 - .98
refined, bgs., ton lots.....lb. 1.00 - 1.05
yellow, No. 1, bgs., ton lots.....lb. 1.53 - 1.56
No. 2, bgs., ton lots.....lb. 1.31 - 1.33
Powdered carnauba price differentials same as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs. lb. .16 - .16½
138°-140° m.p., bgs.....lb. .18 - .18½
158°-162° m.p., bgs.....lb. .20½- .21
Japan, bgs.....lb. .38 - .42
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns. 30 tons yearly contract, group 3 works..lb. .16 - —
smaller lots, same basis....lb. .16 - .17½
170°-175° m.p., ASTM, black ctns., 30 tons, same basis..lb. .14½- —
smaller lots, same basis....lb. .14½- .15½
white, ctns., 30 tons, same basis. lb. .27 - —
smaller lots, same basis.....lb. .27 - .29
190°-195° m.p., ASTM, amber, ctns., 30 tons, same basis..lb. .21 - —
smaller lots, same basis.....lb. .21 - .22
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis..lb. .19½- —
smaller ctns., same basis....lb. .19½- .20½
white, ctns., 30 tons, same basis. lb. .34 - —
smaller lots, same basis.....lb. .34 - .35
Montan, crude, bgs.....lb. .45 - .47
Ouricury, crude, bgs., ton lots....lb. .59 - .60
refined, bgs., ton lots.....lb. .65 - .66
Ozokerite, dom., 189-190 m.p., bgs., c.l...lb. .36 - —
182-188 m.p., bgs., c.l.....lb. .31 - —
171-172 m.p., bgs., c.l.....lb. .27 - —
Spermaceti, blocks, cs.....lb. .421 - .461
cake, cs.....lb. .432 - .472
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. lb. 2.27 - —

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WAlnut 2-8725

White Pine Bark—Zirconium Sulphate

White pine bark, rossed, bls.....lb. .18 - .19
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, St. Louis, works ton. 9.50 - —
smaller lots, St. Louis, works.ton.12.50 - —
wet-grd., air-floated, 99% 325 mesh, bgs., c.l.....ton.14.50 -27.50
99% 200 mesh, bgs., c.l....ton. No prices
90% 200 mesh, bgs., c.l.....ton. No prices
water-floated, extra gilders, bgs., c.l...ton.14.50 -28.90
gilders, bgs., c.l.....ton. No prices
putty grade, bgs., c.l.....ton.13.00 - —
surface treated, bgs., c.l. Ohio works..ton.30.00 - —
Paris white, bgs., c.l.....ton.25.00 -31.00
l.c.l. .....ton.25.00 -29.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l. .....ton.22.00 -25.00
Wild cherry bark, thick, bls.....lb. .06 - .07
thin, natural, bgs.....lb. .18 - .20
rossed, green, bls.....lb. .24 - .26
Wild indigo root, bls.....lb. .30 - .31
Witch hazel leaves, bls.....lb. .25 - .26
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., works, East..ton.32.00 - —
l.c.l., same basis.....ton.40.00 - —
60 mesh, bulk, c.l., same basis..ton.37.00 - —
l.c.l., same basis.....ton.45.00 - —
80-100 mesh, bulk, c.l., same basis.. ton.40.00 -45.00
l.c.l., same basis.....ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanoline).
Wormseed, American, bgs.....lb. .17 - .18
Levant, bgs. .....lb. 4.25 - 4.30
Wormwood, bls. .....lb. .50 - .60

X

Xanthorrhiza root, bls.....lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ret. dms., c.l., works, frt. equald. ..lb. .19¼- —
l.c.l., same basis.....lb. .19¾- —
tanks, same basis .....lb. .18½- —
fractions, ret. dms., c.l., same basis..gal. 1.26 - 1.31
l.c.l., same basis.....gal. 1.29 - 1.34
tanks, same basis.....gal. 1.20 - 1.25
Xylidins, mixed, dms.....lb. .38 - .38½
Xylol (xylene), indust., ret. dms., works..gal. .28 - —
tanks, E. of Omaha, frt. alld...gal. .23 - .25
W. of Minnequa, Colo., works. gal. .23 - —
10°, ret. dms., works.....gal. .30 - —
tanks, E. of Omaha, frt. alld...gal. .25 - .27
Prices on 10° xylol from petroleum, tanks, delivered (maximum freight allowances in parentheses), are:—Ark., 25c.; Del.-Md.-D. C., 25c. (2¾c.); Detroit, 25c. (1 8/10c.); La., 25c.; N. E., 25c. (2¼c.); N. J., 25c.; N. Y., 25c.; E. Tenn. & N. C., 27c. (5c.); Pa., 25c. (2¾c.); S. C., 27c.; W. Tenn., 27c. (3½c.); Va., 26c. (3½c.); W. Va., 25c. (2¾c.); the Chicago prices is 22c., f.o.b. terminal.
8°, ret. dms., works.....gal. .38 - —
tanks, E. of Omaha, frt .alld...gal. .33 - —
8°, ret. dms., works.....gal. .43 - —
tanks, E. of Omaha, frt. alld...gal. .38 - —

Y

Yara yara, cryst., bots., cns. ....lb. 1.62 - 1.75
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —
Barium chromate yellow price diffenentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd.....lb. 1.60 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies..lb. 2.40 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. .85 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse. 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .26 - —
Dlvd. Ala., Fla., Ga., La., (Shreveport), 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome. lb. 1.60 - —
Primrose, bbls., same basis.....lb. 1.90 - —
Iron oxide, natural, bgs., c.l., works. lb. .01½- .02¾
l.c.l., works .....lb. .02¾- .03¾
French type, bgs., c.l.....lb. .03¾- —
l.c.l. .....lb. .04 - —
Peruvian type, bgs., c.l...ton.27.00 -32.00
synth., bgs., c.l., works.....lb. .07¾- —
l.c.l., works .....lb. .08 - —
Mercury oxide, bbls., 1,000 lbs.....lb. 2.23 - —
smaller lots .....lb. 2.25 - —
Ocher, American, golden, bbls., works..lb. .01¼- .02¾
Zinc, bbls., same basis as chrome..lb. .19 - —
Yellow dock root, bls.....lb. .23 - .25
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .30 - .31
Yohimbine hydrochloride, vis.....oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works.....lb. .25 - —
smaller lots works.....lb. .30 - —
Zinc acetate, tech., bbls., dms.....lb. .20 - —
USP, bbls. .....lb. .26 - .27
kgs. .....lb. .27 - .29
Arsenite bgs., c.l., frt. alld. E. of Rockies..lb. No stocks
l.c.l., same basis.....lb. No stocks
Carbonate, tech., rubber-makers' bbls., works..lb. .10¾- .11¾
USP, precip., powd., bbls.....lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 6.25 - —
l.c.l., works.....100 lbs. 6.55 - —
gran., bbls., c.l., works..100 lbs. 7.00 - —
l.c.l., works .....100 lbs. 7.40 - —
solution, 50%, dms., c.l., works lb. .0365- —
l.c.l., works.....lb. .0425- —
tanks, works .....lb. .0300- —
USP, gran., dms.....lb. .30 - .31
jars .....lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .34 - .35
Diethyldithiocarbamate, dms., works lb. 1.15 - —
Dust, bbls., c.l., dlvd.....lb. .1250- .1260
l.c.l., dlvd. .....lb. .1275- .1300

Zinc fluoride, bbls., works.....lb. .18 - .19
Hydrosulphite, dms., works.....lb. .16 - —
Iodide, NF, jars.....lb. 4.65 - —
Laurate, bbls.....lb. .45 - .46
Linoleate, solid, 9½%, bbls.....lb. .53¼- —
Metal, slabs.....lb. .11 - —
E. St. Louis.....lb. .10½- —
Naphthenate, liquid, 8% Zn, dms.lb. .19¾- —
10% Zn, dms.....lb. .24 - —
solid, 14% Zn, dms.....lb. .31¾- —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld..lb. .09½- —
l.c.l., works .....lb. .09¾- —
American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld..lb. .09½- —
l.c.l., works .....lb. .09¾- —
leaded, 5%, bgs., c.l., ship't point, frt. alld..lb. .09½- —
l.c.l., works .....lb. .09¾- —
35% or more, bgs., c.l., ship't point, frt. alld. lb. .11½- —
l.c.l., works .....lb. .11¾- —
50%, bgs., c.l., ship't point, frt. alld..lb. .12¾- —
l.c.l., works .....lb. .12¾- —
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld..lb. .11¾- —
l.c.l., works .....lb. .12 - —
green, seal, bgs., c.l., ship't point, frt. alld..lb. .11¼- —
l.c.l., works .....lb. .11½- —
red seal, bgs., c.l., ship't point, frt. alld..lb. .10¾- —
l.c.l., works .....lb. .11 - —
white seal, bgs., c.l., ship't point, frt. alld..lb. .11¾- —
l.c.l., works .....lb. .12 - —

Zinc oxide, USP, ctns., c.l., ship't point, frt. alld..lb. .12¾- —
l.c.l., same basis.....lb. .13 - —
Zinc oxide Pac coast prices ½c. higher; bbls., prices ¼c. higher than bgs.
Resinate, fused, 9% Zn, powd., dms.lb. .19½- —
Silicofluoride, bbls. .....lb. .15 - .16
Stearate, ctns., 2,000 lbs. .....lb. .43 - —
smaller lots.....lb. .44 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt, alld...100 lbs. 4.15 - —
l.c.l., same basis.....100 lbs. 4.90 - —
flake, 25½% Zn., bgs., c.l., same basis..100 lbs. 4.80 - —
l.c.l., same basis.....100 lbs. 5.55 - —
powd., 36% Zn., bgs., c.l., same basis....100 lbs. 6.75 - —
l.c.l., same basis....100 lbs. 7.50 - —
Zinc sulphate in bbls., 40c. higher
Sulphide, pure, bgs., c.l., dlvd...lb. .10 - —
l.c.l., works .....lb. .10¾- —
Barium pigment, bgs., c.l., dlvd.lb. .07 - —
l.c.l., works .....lb. .07¼- —
Calcium pigment, bgs., c.l., dlvd lb. .07 - —
l.c.l., works.....lb. .07¼- —
Luminescent pigment, frt. alld..lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd. lb. .07 - —
l.c.l., dlvd. .....lb. .07¼- —
Zinc sulphide and pigment, Pac. coast prices ½c. higher; bbl. prices ¼c. higher than bgs.
Sulphocarbolate, NF, gran., bbls., dms..lb. .26 - .30
Yellow (see Yellow, zinc).

Zinc-ammonium chloride, bbls., c.l., works..100 lbs. 7.15 - —
l.c.l., works.....100 lbs. 7.55 - —
Zinc-cadmium sulphide, fluorescent, cns., frt. alld..lb. 2.00 - 2.80
Zinc-iron oxide pigment, bgs., c.l. dlvd..lb. .08¼- —
Pac. coast.....lb. .08¾- —
l.c.l., dlvd. E. of Rockies....lb. .08¾- —
Pac. coast.....lb. .09¼- —
Zinc-formaldehyde sulphoxalate, basic, dms., works, frt. alld.lb. .17 - —
normal, dms., works, frt. alld.lb. .35 - —
Zirconium acetate, solution, bbls., works..lb. .25½- —
Hydride, cns., works.....lb. 7.00 - 9.00
Nitrate, bgs., works.....lb. 3.00 - 4.00
Oxide, 88%, grd., bbls., c.l., works. lb. .22½- —
l.c.l. .....lb. .22¾- —
98½%-99%, white, grd., bgs., works..lb. .80 - —
milled, electric-fused, bgs., 2,000 lbs., works.....lb. .46 - —
500 lbs. and less works..lb. .46½- .49
Oxychloride, cryst., bbls., 5 tons, works..lb. .29¼- —
Sulphate, basic, cake, bbls., c.l., works..lb. .18 - —
l.c.l., works ..... lb. .18½- .20
smaller containers works...lb. .30 - .31¼

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the Aug. 4 issue of OPD.

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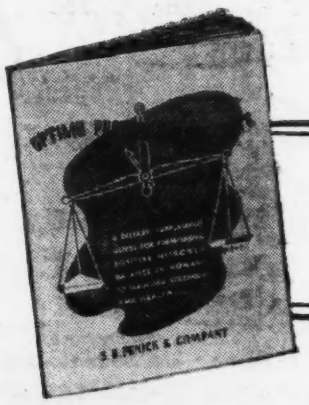

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Botanical Drugs, Spices, Gums

The usual summer slackness in business, coupled with an unusual apathy on the part of buyers in regard to present and future offerings, characterized the market for botanical drugs and condiments last week. For most materials, orders were placed in small lots only and the total volume of buying was light. Despite this condition, prices in certain directions were showing strength and rising tendencies.

This was particularly true in spices where advances were made on six commodities. Only reductions were in West Indian nutmeg futures and Louisiana red pepper. Prices on five types of seeds also were higher last week, but reductions were made on Dutch yellow and Montana yellow and brown mustard seed, and on Dutch poppyseed.

Demand for various roots was dull and goldenseal and turmeric were available at lower figures. Senega root, however, was advanced. Oregon balsam fir was lower, as were Spanish saffron flowers and belladonna and Dalmatian sage leaves. Increases were noted on prices for Chilean marjoram futures and fancy Greek sage leaves.

One direction in which buyers were showing interest was in the market for vanilla beans, where dealers reported an upswing in the inquiries for the future and in the actual placing of business. This was attributed to very attractive prices and should the interest continue an advance may result.

Balsams

Fir—Despite a heavy demand and tight supply of the Canadian product the inside quotation was unchanged at $22.50 per gallon last week. One dealer raised the outside price to $24, which was $1 above that of the previous week. The product of Oregon origin showed changes on both levels. The inside figure was lowered to $2.35 a gallon, while the outside quotation was advanced an identical amount to $2.65. Demand was good and supply was said to be fair.

Peru—The market conditions that prevailed for the past several weeks continued during the period under review. Small orders that built up a moderate volume by the end of the week featured the market. Pricewise, there was no change.

Tolu—Although stocks were small there was little demand last week and as a result there was little activity as far as prices were concerned.

Barks

Angostura—Little of new developments featured the market. Supply was moderate and prices firm.

Cinchona — A United States freighter docked at the Batavian port of Tandjoengpriok on August 19 with the first cargo of goods to be shipped to the United States from the former Republican-held port of Cheribon since that port was taken over by Dutch forces. The cargo includes a fairly large amount of cinchona, according to Aneta news agency.

Imports Detained by FDA

Week Ended August 15

New York

Caraway seed, 100 bags; filthy.
Cassia (4 shipments) (4 lots), 457 bales; insect infested.
Cassia oil (2 lots), 10 drums; rosin and heavy metals.
Cologne water, 6 dozen bottles; non-permitted coaltar color.
Fennel seed, 88 bags; filthy.
Mace (4 shipments) (5 lots), 138 cases; live and dead insects; filthy.
Medicinals (8 shipments) (12 lots), 19 packages; claims; dangerous drug; no phenobarbital warning; no English label; new drug; penicillin not from a certified batch.
Nutmegs (2 shipments) (2 lots), 140 bags; wormy and moldy.
Perfume (2 lots), 500 bottles; no quantity of contents.
Pine bath tablets, 3 cases; short weight.

Baltimore

Cassia (medicinal rolls), 200 bales; insect infested.
Medicinals (5 shipments) (8 lots), 7 packages; labeling not in English; no quantity of contents.

Boston

Cocoa beans (2 lots), 123 bags; voyage-damaged bags.
Medicinals (6 lots), 2 packages; no adequate directions for use.

Buffalo

Medicinals, 1 parcel; claims; no quantity of contents statement; no quantity of alcohol statement.

Market Trends

Prices Advanced

Drugs

Senega, roots, 25c. per lb.

Other Articles

Belladonna leaves, 40c. per lb.
Caraway seed, Dutch, ¾c. per lb.
Cassia bark, Chinese, selected rolls, 1½c.
Kwangsi, broken, 1½c. per lb.
Saigon, all medium, 2c. per lb.
4-10-4, 4c. per lb.
broken, 2c. per lb.
Celery seed, Indian, 2½c. per lb.
Cinnamon, Ceylon, No. 2, 1c. per lb.
Clove, Zanzibar, 1c. per lb.
Madagascar, ½c. per lb.
Coriander seed, Peruvian, futures, ¼c. per lb.
Dill seed, decorticated, 1½c. per lb.
Ginger, African, ½c. per lb.
Marjoram, Chilean, futures, ¼c. per lb.
Pepper, black, 3c. per lb.
futures, 2c. per lb.
white, 1c. per lb.
Sage, Greek, fancy, 1c. per lb.

Prices Reduced

Drugs

Balsam, fir, Oregon, 10c. per gal.
Goldenseal root, NF, bales, 25c. per lb.
powdered, 40c. per lb.
Saffron flowers, Spanish, 50c-75c per 15 oz.

Other Articles

Mustard seed, Dutch, yellow, ½c. per lb.
futures, 1c. per lb.
Montana, brown, new crop, ½c. per lb.
yellow, new crop, ½c. per lb.
Nutmeg, West Indian futures, 1c. per lb.
Pepper, red, Louisiana, 2c. per lb.
Poppyseed, Dutch, ¼c. per lb.
Sage, Dalmatian, 1½c. per lb.
Turmeric, Haitian, 1½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
267.1	267.1	267.3	274.1

(For Current Prices see Page 9)

Cocillana — Inquiry for future delivery showed satisfactory activity during the past week and prices were well maintained at previous levels.

White Pine—Reports from primary markets indicated that collections have been small in recent weeks and the outlook for lower prices in the near future is not promising.

Wild Cherry—A fairly good amount of stocks were reported to be built up at primary markets. Demand was for small lots, but the overall call was moderately good. Prices were steady.

Beans

St. Ignatius — Stocks remained in very short supply and dealers were holding out little hope for any relief of the situation in the near future. Prices were strictly nominal.

Tonka — Current transactions last week were strictly in job lots. Most of the larger consumers had already contracted for their supplies and therefore routine activity featured the market. Prices were firm at previous levels.

Vanilla—There has been a noticeable increase in interest in the market for vanilla beans in the past few weeks. This holds true in regard to both inquiries and business placed. One reason for this is that prices are still very attractive to buyers, and another is that indications are the next crop in Madagascar will be very small. Because of these factors an increase in prices in the near future would not be unexpected.

Berries

Cubeb—The Indonesian situation continued to hamper virtually all activity in this commodity at primary markets. Some activity was noted in demand and inquiries among consumers, but there was little actual placement of orders. Prices were unchanged.

Hawthorn—There was little but jobbing activity in the market last week. Imports from England remained very small. Prices were unchanged.

Prickly Ash—The market remained dull and routine last week. What few buyers were interested in offerings showed interest only in small amounts. Pricewise, there were no changes.

Raspberries—Only a small to moderate stock will be available for drying operations in the future as most of the new crop is being quick-frozen for food purposes. Prices were unchanged.

Flowers

Arnica—Since the decline in price several weeks ago quotations have been held at unchanged levels and this situation prevailed last week. Demand remained fairly light.

Borage—Although undertones in the market were firm, demand was light during the period under review. Firmness was lent to

For Late Market Developments, See Page 4

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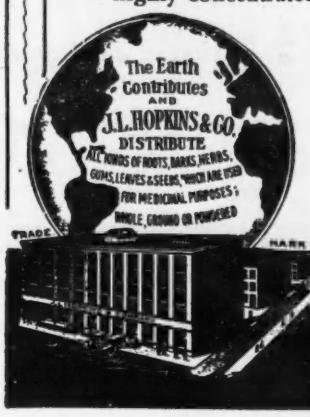
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the market by the fact that stocks were small.

Calendula—Ruling prices were unchanged during the past week. Material was said to be available with demand small.

Chamomile—Offerings of Hungarian flowers were non-existant last week and stocks of the Argentine product were believed very small. Prices were unchanged.

Linden—Consumer interest was at a low level during the period but prices were maintained at former levels, levels in force since the reduction of several weeks previous.

Pyrethrum—Principal feature of the week was the report of the arrival of 1,999 bags of this product from Africa.

Saffron—The local market continued to reflect the conditions in primary centers. The USP Spanish material was 50c. to 75c. per 15 ounces lower and was quoted at a range of $31 to $31.50.

Gums

Aloe—Stocks were small which, as far as prices were concerned, tended to offset the light demand.

Arabic—Buying was confined to small lots during the week. Inquiries for the future were few. Despite this, however, prices were fairly well maintained.

Asafetida—Demand was on a hand-to-mouth basis and the combined total of orders was small. No price changes were reported.

Benzoin—The outlook for supplies of this commodity was dim last week in view of the continued unrest at primary markets. Offerings were few.

Herbs and Leaves

Belladonna—Offerings were small last week because of tight supply. Prices were unchanged and firm.

Buchu—Prices were well maintained during the period following the reduction several weeks ago when fairly large amounts of material were available.

Eucalyptus—It was reported that 3,987 bags of leaves recently arrived in the United States.

Laurel—Conditions were dull as far as buying interest was concerned. Prices were steady.

Marjoram—Futures on the Chilean herb were increased ¼c. per pound last week to a range of 9½c. to 10c. per pound.

Sage—Dalmatian leaves were lowered in price. The reduction was 1½c. per pound to a range of 30c. to 32c. a pound. Fancy Greek leaves were quoted at 16c. to 16½c. per pound, an increase of 1c. per pound over the quotations of the previous week.

Miscellaneous

Areca Nuts—Demand was at a low level with only small quantities moving into consuming channels. Prices remained fairly firm with no indication of any decline.

Colocynth Pulp—Seasonal slowness continued to retard activity in this commodity last week although demand, for small lots, remained fair. No price changes were reported.

Ergot—There were no noticeable trends in this market. Prices were unchanged although there was a lack of firmness to quotations. Demand was routine.

Nux Vomica—Conditions were at previous levels with only small interest in offerings. Prices were firm. A total of 480 bags recently arrived in the United States.

Papain—Demand remained fair for the high-quality material but business on the whole was routine. Arrival of 257 cases and 16 packages into the United States was noted.

Quassia Chips—Little of new development was reported, with the exception of the arrival of 360 bags into the United States.

Roots

Colombo—Principal interest in the market last week was the arrival of 327 bags of this commodity from Africa. Otherwise, developments were few and business routine.

Dandelion—Seasonal slackness continued to characterize conditions in this direction. Prices were firm and unchanged. A total of twenty-four bales arrived in the United States.

Doggrass—Little of new development was reported. Prices were unchanged and demand small. Twenty-five bales were delivered into the United States.

Goldenseal—The market was dull and prices were lowered 25c. per pound to a range of $8.25 to $8.35 per pound.

Ipecac—Little of new development was reported during the period. No price changes were made. Fifty bags were delivered to the United States.

Licorice—Little interest was evidenced in large-scale offerings and business was reported dull. Prices were unchanged. Only five bags arrived in the United States in recent days.

Sarsaparilla—The market was quiet, with

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Jaborandi

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the arrival of twelve bales being the principal feature.

Senega—The market took on firmness last week and principal factors increased prices 25c. per pound to a new range of $2.25 to $2.30 per pound, in bales.

Turmeric—Trading was dull and prices were unsteady. The Haitian material was reduced 1½c. per pound to a level of 14c. to 15c. per pound.

Seeds

Anise—Supply was not plentiful, although it was relieved somewhat by the arrival of fifty-six bags from Vera Cruz.

Caraway—The Dutch product was advanced ¼c. per pound to a range of 16½c. to 17c. per pound. A total of 4,775 bags of these seeds from various points arrived in the United States.

Celery—The Indian product was quoted at 21c. to 22½c. per pound last week, which was 2½c. per pound higher than the previous week.

Coriander — Principal suppliers quoted Peruvian futures at 8½ to 9c. per pound last week, which was an increase of ¼c. per pound.

Dill—Decorticated material was advanced 1½c. a pound, to a range of 17c. to 17½c. a pound.

Mustard — Prices were lowered for the Dutch and Montana materials. Dutch yellow was quoted at 17c. to 17½c. per pound, a decline of ½c., while futures were off 1c. a pound at 18c. to 18½c. New crop prices on Montana brown were lowered ½c. a pound to a level of 8c. to 8½c. a pound, f.o.b. source, and the new crop yellow was lowered ¼c. per pound to a range of 11¾c. to 12¼c. a pound, f.o.b. source.

Poppy—Dutch product was reduced ¼c. per pound to a level of 23c. to 23½c. a pound. Arrivals from Rotterdam totaled 200 bags.

Sesame—The Chinese recleaned material was advanced 1c. per pound to a level of 21c. Arrivals from Cristobal totaled 700 bags.

Spices

Cassia—Advances were noted in several sections of the market. Selected Chinese rolls were 1½c. per pound higher at 11c. to 11½c. per pound. Kwangsi, broken, was up 1½c. a pound to 18c. to 19½c. a pound. For Saigon, dealers advanced prices 2c. a pound on the all medium and broken to levels of 33c. to 34c. and 27c. to 28c. per pound, respectively, while 4-10-4 was quoted at 35c. to 35½c. a pound, an increase of 4c. a pound. Arrivals totaled 1,837 bales.

Cinnamon—Ceylon No. 2 was advanced 1c. a pound to a range of 42c. to 44c. per pound.

Clove—The Zanzibar product was 1c. per pound higher at 17c. a pound and the Madagascar material was increased ¼c. a pound to 12¼c. to 12¾c.

Ginger—African material, in bags, was ½c. per pound higher at 12½c. to 13c. a pound. A total of 738 bags arrived in the United States.

Nutmeg—West Indian futures were lowered 1c. per pound and were quoted at 54c. to 55c. a pound. Sixty-seven bags of nutmeg were delivered to the United States.

Pepper—Black pepper was advanced 3c. a pound to a level of 36c. to 36½c., while futures were 2c. higher at 34½c. to 34¾c. per pound. Louisiana red pepper was lowered 2c. a pound and was quoted at 24c. nominal. White pepper was up 1c. at a level of 53½c. to 54c. per pound. Arrival of 5,536 bags of black pepper and 301 bags of white was noted.

Markets at Other Centers

Los Angeles, Aug. 20.—Business in botanical drugs and spices is slow here this week. Prices are unchanged. Inquiry fair. Ruling prices are:—

Calendula Flowers—Nominal at $2 per pound.
Marjoram, French type—45c. per pound in dried form.
Sage, Dalmatian type—32c. per pound for lots said to contain less than 12 perent stems.
Savory, French type—95c. per pound.
Sweet Basil—90c. per pound for lots containing less than 12 percent stems.
Thyme, French type—85c. per pound in dried and clean form.

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UK List of Controlled Imports Published

A list of seventy-six food and raw material commodities which are currently being imported into the United Kingdom solely by the government and in which private trading is not permitted was issued recently by the British Board of Trade.

Included on the list were oils and fats; processed milk; starch; citric acid; tartaric acid; cream of tartar; pine oil; tanning materials; sulphur; pyrites; phosphate rock; basic slag; potash; nitrates and manufactured fertilizers; molasses; ethyl alcohol; acetone; acetic acid; acetic anhydride; butyl alcohol; rosin and liquid rosin; turpentine; tung oil; oiticica oil; Manila copal; solid caustic potash; casein; chrome ore; lead; zinc, copper, and virgin aluminum.

G.D. Searle to Triple Pharmaceutical Output

G. D. Searle & Co., pharmaceutical manufacturer, Chicago, has announced two further additions to its current expansion programs, which are expected to more than triple the company's research and manufacturing facilities, as compared with its 1945 production.

A one-story and penthouse pharmaceutical manufacturing building will house the granulating, tableting, coating and liquid departments, and a new wing to the company's research building will house all laboratories devoted to research in organic chemistry. These new structures bring to six the total number of buildings involved in the expansion program.

Dry Milk Products Output in 1946 Told

OPD Washington Bureau

Production of dairy products in the United States in 1946 has been reported by the bureau of agricultural economics of the Department of Agriculture. Included in the report were the following, measured in pounds:——

Nonfat dry milk solids—	
Spray process	363,466,000
Roller process	289,238,000
Dry skim milk animal feed	13,550,000
Dry buttermilk	38,082,000
Dry cream	567,000
Dry whey	147,836,000
Dry casein	18,257,000

Oscar Brewer Retires From Leeds & Northrup

Oscar Brewer, Philadelphia industry division sales manager for Leeds & Northrup Company, manufacturer of laboratory and plant equipment, Philadelphia, has retired after thirty-nine years' service with the organization. He has been succeeded by H. R. Abey.

American Can Shifts Three Executive Sales Personnel

American Can Company, New York, has appointed T. L. Shackford, former sales division manager, as assistant to the manager for sales for the firm's central division with headquarters in Chicago. Other changes in the company include the transfer of D. B. Craver from the Atlantic division to the central division as a sales division manager, and the promotion of F. B. Newcomb, formerly assistant sales manager for the Chicago district, to manager of the district.

Veterinary Group Formed To Fight Foreign Diseases

The American Veterinary Medical Association has formed an Inter-American Veterinarians Congress to fight against foreign diseases which afflict animals, particularly cattle. The American group will work in conjunction with the Pan-American Sanitary Bureau in setting up a hemisphere defense against the animal diseases.

Trade Briefs

Dr. Pepper Company, Dallas, Texas, announced that Leonard M. Green will become vice-president in charge of the company's bottling plants effective September 20.

Stokely-Van Camp, Inc., canned food packers, Indianapolis, Ind., has purchased the Polk Company plant at Tampa, Fla., together with the right to use the Polk name and brand for all citrus products.

James F. MulCahy, director of merchandising for the National Confectioners' Association, has been asked to present the aspects of the "Balanced Selling" Training Program to the members of the Sales Managers' Bureau of the Davenport, Iowa, Chamber of Commerce on September 16.

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Essential Oils, Other Aromatics

A noteworthy pickup in business was reported by several reliable sources in the essential oils group last week, and leaders in that field said they were looking forward to a final break in the downward trend that has been plaguing the trade for many months.

But, while essential oils men saw a definite upswing, aromatics dealers reported that they had observed no change in general conditions and were not even anticipating much of a pickup for the Christmas season.

Despite the optimistic comments of dealers, price fluctuations gave no indication of improved business activity. During the week there were no quotations reported up, but eight products in the essential oils and six in the aromatic chemicals groups went down in price. Most of the declines were minor ones, to be sure, although it was considered significant that there were no rises, even for those products which were in heavy demand.

One essential oils dealer said he had noticed a general increase, both in number and quantity of orders, during the past thirty days. He could give no particular reason for the change, but said he felt it was probably a reflection of general business conditions. Another dealer in the field stated that business during the last two weeks had displayed a far better tone than it had for some months past. He added, however, that the pickup was still to be considered somewhat spotty.

Heavy buying by perfume and toilet goods manufacturers for the Christmas season was expected soon by one essential oils dealer, while another had the contradictory opinion that the seasonal sales this year would be light. The latter said he believed that during the war years, when merchandise of dubious quality could be sold easily, drug and department stores stocked up with great quantities of second rate goods and at the end of the war were left with much of it on hand. They are still trying to dispose of that stock, he said, and for that reason would probably not place heavy orders with manufacturers this year.

One of the larger aromatic chemicals houses reported that their business had shown no particular change from the position in which it has been during the past several months. A few cancellation orders have been encountered and no special upswing in Christmas buying is anticipated, it was said.

The question of inventories also brought forth its share of conflicting statements during the week. Some dealers were of the opinion that the supplies of many manufacturers are low and will soon be replenished by large volume ordering. Others held an opposite view, however. They felt that many concerns still have ample inventories and that even when their stocks do need replacing there will be no heavy buying such as was seen during the war years when stocks were bought out of fear that they might be available only a short time.

From now on, it was felt in some quarters, buyers will probably play their inventories closer than they have been doing, largely because of the dropping price trend. The fear among buyers is that they may find themselves with large stocks of material on hand which were acquired at high prices and which may in a short time be available at lower figures.

Market Trends

Prices Advanced

None

Prices Reduced

Anethol NF, 13c. per lb.
Anisic aldehyde, 8c. per lb.
Ionone ketone, alpha, 20c. per lb.
Lemongrass oil, 20c. per lb.
Lime oil, distilled, Mexican, 75c. per lb.
Terpeneless, $13 per lb.
Mace oil, $1.25 per lb.
Mandarin oil, Brazilian, $2.05 per lb.
Italian, $1.25 per lb.
Methyl cinnamate, 40c. per lb.
Safrol, 10c. per lb.
Terpinyl acetate, 60c. per lb.
Wormseed oil, 60c. per lb.
Wormwood oil, $1.25 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
161.8	167.5	179.3	200.2

(For Current Prices see Page 9)

Essential Oils

Amyris—Eight drums of this product were reported received in New York during the week from Port au Prince, Haiti.

Bay—Importation of this oil continued, although on a small scale, with the receipt of three drums from Roseau, Dominica, Leward Islands.

Cinnamon—Prices for the leaf oil were unchanged during the week and supply and demand were in a firm position. Thirty-five drums of the product arrived in New York from Mombasa, Africa.

Citronella—During the week the Java oil displayed the first real steadying tendency in several months. For some time past the product had been dropping each week as supplies became more abundant and demand continued to be only moderate. But last week dealers noted that it held its own on price, although they still hesitated to say definitely that the decline had been checked and preferred to keep a close eye on the oil for a while yet before they could feel sure that it had reached a stabilized level. The product was quoted again last week at $1.75 in comparison to the $4.75 at which it was quoted last January. Prices from the Asiatic producers had fallen off steadily for some time as supply increased and the South American producers, anxious to keep their grip on the market in the United States, met competition with equal quotations, thus doing much to create the downward trend in price. Twenty-four drums of citronella oil were received in New York from Singapore, sixty-two from Brazil, and two drums from the Dominican Republic during the week.

Clove—Production of this oil in Madagascar has fallen off greatly this year and it is expected that no increases in the output will be made during 1947, according to late advices from the American Consulate at Tananarive. It was revealed that during the first quarter of 1947 the total exportation of this oil amounted to only 150 metric tons. This was a considerable drop from the 331 metric tons that were shipped out during the corresponding period of last year.

Coriander—The price range for this oil remained unchanged during the period under review and dealers in New York reported the arrival of three tins from Rotterdam.

Dillseed—Supply and demand were at an unchanged level for this product during the last week, and no differences in the price structure were noted. Seventeen drums of the product were received by a New York importer from Antwerp.

Lemongrass—This product continued to engage the attention of those in the trade last week as it took an even further drop in price. The latest figure received was $1.30 per pound, which was 20c. below the quotation listed during the previous week. An overall check on this oil revealed that the price has continued to slip downward steadily since the first of the year, at which time it was quoted as high as $4.45. Increasing ease of supply was the reason most frequently given for the decline. Some dealers had expected the Java war would check the price slide and possibly have a strengthening effect on the market, but such an occurrence has failed to materialize. The good supply that arrived in this country from the Indian and South American markets seems to have offset any steadying influence that might have been produced by the hostilities in the Netherlands East Indies. The war itself did little to interfere with actual importation of the oil, for dealers here reported that the orders they had placed were received in the desired quantity and without delay.

During the past week dealers in New York reported receiving 29 drums from Cochin, India; 22 drums from Puerto Barrios, Guatemala and four from Port au Prince, Haiti.

Lime—A plentiful supply of the distilled Mexican oil last week was responsible for another fall in price. One dealer reported setting a new figure of $4 a pound for the product, which was 75c. below the quotation listed the week before. No change was reported in the outside figure of $5.50. Despite the continued decline in price, dealers were still pleased to note that the product stayed in good demand.

The terpeneless oil took a considerable fall during the period under review. It had been in a fairly steady position for some time, with the demand reported as fair to good and the supply strong. During the week, however, one dealer revealed that he had reduced the price to a new figure of $35 a pound. This represented a drop of $13 and was seen as the result, in large part, of the easy availability of the product.

During the week past dealers in New

For Late Market Developments, See Page 4

York reported the arrival of 19 drums of lime oil from the Leeward Islands.

Mace—A $1.25 reduction in price for this product was noted last week as one major dealer established a new low figure of $6 a pound. The outside remained at $8.75. Supply was improving steadily, although dealers said they still wished to see the product arriving in greater quantity. Only small amounts came through during the Dutch-Indonesian war and sellers in this country had to rely almost entirely on the production of the West Indies, which was not adequate to meet all the American demands.

Mandarin — An only moderate demand, from candy manufacturers and perfumers, for the Brazilian oil contributed during the past week in bringing down the price of this product. A sharp drop of $2.05 a pound was reported by one dealer, establishing the price range at $5.75 to $8.40. Supply of the oil, it was said, could only be called fair.

Demand for the Italian oil was also at a low level during the week and had an influence on lowering quotations. A new inside price of $8.75 was reported by one dealer, which was $1.25 under the last listed figure. Dealers were in agreement that shipments of the Italian oil were of a disappointing quality and said they believed no improvement could be expected in the near future. The Italians, it was felt, are likely to lose much of their American market unless they improve the quality of their production and send out their exports in greater quantity. For some time buyers in this country have been receiving low grade oils, orange and lemon as well as mandarin, and are not willing to continue accepting such products, especially when oils of standard quality are easily available from other sources. The Italians, however, seemed to be doing little to improve their production, probably because they had not yet recovered sufficiently from the ravages of the war.

Nutmeg—This product was in an exceptionally good position last week and the demand was said to be greater than it had been for some time, although there were no fluctuations in the price range. The only concern that most dealers felt was how much of the raw material they could safely buy to meet the increasingly heavy demand of their customers and still not find themselves in the near future with a large stock on hand acquired at the high prices they are forced to pay at this time. One firm reported that it could not produce the oil fast enough to meet incoming orders without resorting to what would be considered dangerously heavy buying. Most dealers felt that further declines in the price of the raw material could be expected soon and were therefore wary of purchasing in too great a quantity lest they be caught by the anticipated price drop.

Petitgrain—The supply and demand picture for this oil was unchanged last week and no variance in the price structure was reported. Three drums of the product were received in New York from Port au Prince. There were no reported arrivals of the oil from Paraguay during the week, nor have there been any for some time. Civil war in that country was believed to be the principal stumbling block in the way of producers who wish to reach the American market. Although the fighting is only on a small scale, it has tied up production and transportation.

Rosewood—The American Embassy at Rio de Janeiro reports a sharp drop in the exportation of the bois de rose oil. During the first two months of this year Brazil shipped out only 34 tons of the produet as compared with 54 tons which were exported during the corresponding period of 1946.

Vetiver—Four drums of this product arrived in New York during the last week from Port au Prince. No changes in price were reported.

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Wormseed—A check of dealers during the past week revealed that the supply of this product continued to hold firm and had a tendency to bring down prices slightly. Demand was said to be fair to good. Orders were not being received steadily but were rather spasmodic, although it was pointed out that they were generally for fairly large quantities. One dealer reported a new low price of $4.25 a pound, which was 60c. below the figure last listed. There was no change in the outside price of $5.50.

Wormwood—Because of only small plantings, the supply of this oil was reported light this year and despite a decrease during the week the price was still considered high by most dealers. One firm reported an inside price of $9.75, which was a decrease of $1.25 from the figure last listed. There was no change in the outside quotation of $13.50. Demand for the product came mostly from linament and flavoring manufacturers and was said to be only fair.

Aromatic Chemicals

Anethol—With a fairly steady demand for the NF, dealers reported dropping the price for this item slightly during the past week. The latest price received was 60c. on the inside of the range as compared to 73c. for the week before. The outside price remained at 90c.

Anisic Aldehyde—The price for this product, in drum lots, fell off slightly during the period under review, with one dealer reporting that he is now offering it at $2.42 as compared to the last listed price of $2.30 a pound. The price on the outside was unchanged at $2.75.

Ionone Ketone—The alpha last week went down 20c. a pound, to change the inside of the range to $12.30, while the outside figure remained the same at $16.40. No changes were reported in the beta or pure.

Linalool—A change to a new raw material for this product, as well as for linalyl acetate, was seen as a possible innovation in the aromatics trade last week. Although American producers prefer to use Brazilian rosewood as a source of supply, it was indicated that they might switch to another oil because of the Brazilian government's recent efforts to peg the price of rosewood. Brazil is the only producer of the item and its government believes American buyers would be forced to continue their purchases on an undiminished scale. Dealers in this country, however, displayed considerable opposition to the plan and were looking for alternate sources of the necessary oils. In particular, they were interested in ho oil. An easy supply of this product is available from Formosa and it is considered a satisfactory source of linalool.

Methyl Cinnamate—This product dropped 40c. a pound last week, to establish the new price range at $1.60 to $3.50.

Safrol—A decrease of 10c. a pound was noted in the price of this item during the period under review, to establish the inside quotation at $1. The outside was unchanged at $1.45.

Terpinyl Acetate—The prime declined in price by 9c. during the last week. It was quoted at 61c. to $1.00.

P.R. Dreyer Elects Zirkel Vice-President

P. R. Dreyer, Inc., essential oils and aromatic chemicals firm, New York, has elected George H. Zirkel vice-president to replace H. A. Wiedman, who recently resigned. Mr. Zirkel has been a member of the Dreyer organization since 1933 and is currently one of the oldest members of its staff in point of service.

His position as technical perfumery advisor is backed by thirty years in the industry, which he entered with the Rockhill and Veitor company in 1917. He was also associated with the Bushfield organization and the C. E. Ising Corporation before joining Dreyer.

Trade Briefs

Abbott Laboratories, Chicago, has appointed Shirley Erickson spectroscopist.

Purex Products, Inc., flavoring manufacturer, Baltimore, Md., has elected M. Bruce Fine to the presidency of the firm. Mr. Fine, former secretary-treasurer of the company, succeeds H. M. Shapiro, who recently retired.

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Koppers Research Assistant

Dr. G. F. D'Alelio has been appointed assistant director of research for the Koppers Company, Pittsburgh. Holder of 248 patents, mostly in the field of high polymers and plastics, he was a consultant on the atomic bomb project during the war and subsequently was with the high polymer research laboratory of the Industrial Rayon Corporation, Cleveland.

Darsyn Corp. to Build Pharmaceuticals Plant

Darsyn Corporation, chemical manufacturer, Hawthorne, N. J., plans to start construction of a new building for the production of pharmaceuticals and fine organic chemicals. The new facility will be adjacent to the plant of its affiliate, Metalsalts Corporation, in Hawthorne.

Although the Darsyn organization has not produced pharmaceuticals and fine organics in the past, these products have been developed in its laboratories to the point where they are ready for the full production stage, and the company plans to enter this field in the near future.

Cosmetics & Drug Firms Aid American Allergy Fund

Many leading cosmetics and pharmaceutical firms are cooperating with the American Allergy Fund in its efforts to bring more positive and less time-consuming treatment to victims of hay fever, asthma, migraine and other allergic conditions. It has been pointed out that many persons are made seriously ill by using ordinary drugs, soaps and cosmetics, through allergy to one or more of the preparation's ingredients.

The program of the American Allergy Fund includes the financing of research in basic sciences.

Bjorksten Laboratories Increases Research Facilities

Bjorksten Research Laboratories, Chicago, has leased laboratory space at 732 South Federal street, Chicago, from Edwal Laboratories, Inc., in order to provide additional capacity for research projects for their clients. Edwal has transferred its research activities related to production problems to its Ringwood, Ill., plant. The balance of its research work and customer service laboratories will remain at the downtown Chicago address.

Costa Rican Representative Agency Moves to New Offices

The Advertising and Marketing Agency, San Jose, Costa Rica, has moved its offices to the second floor of a new building, "Juan Mig. Yamuni," located on Eighth street between avenues Three and Five, San Jose. The organization functions as representative of American and other firms in Costa Rica, keeping them in touch with importers and planning and executing advertising campaigns for them.

Emanuel Solorzano-Fernandez, president, is in charge of the advertising and sales promotion department; Dudley Wignall-Anderson is manager of the office and foreign department, and Mario Yglesias-Hogan is manager of the sales and representation department.

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A-24

Protective Coatings Materials

Stability continued to characterize the protective coatings market last week, despite some price adjustments of naval stores. At the same time, recurrent rumors of a general price slashing throughout the industry remained as nebulous as ever, as an official of another major producing concern declared that these reports were ill-founded, having very little basis in fact.

The general view among producers regarding prices appeared to be that if any price changes were made at all, they would be made upward, not downward. Basis for this contention was that materials costs have mounted steadily since the last general revision of price schedules was affected at the turn of the year. This view was confirmed in reports from Canada last week, where the ceiling price of flaxseed was advanced $1.75 per bushel on August 1. Suppliers there viewed the sharp flaxseed increase as evidence of a future increase in linseed oil, and, later, possibly, in protective coatings materials themselves.

The market position of most prime pigments was unchanged during the week, with demand continuing heavy, supply still very short and prices steady. Paint manufacturers, who have been hard-pressed for lead pigments for some time now, reported receipt of volume shipments last week, but these deliveries were said to still fall far short of current requirements. Prospects for the future were regarded as bleak, with an expected tightening of lead stocks due in September. Zinc pigments also continued tight, with little indication last week of an early easing of the situation. Titanium pigments, at the same time, paralleled other pigment shortages, despite capacity production.

Although there were no significant developments in synthetic resins last week, another major producer of phthalic anhydride announced a 3c. per pound advance in price schedules, effective October 1. This action, which meets a previously-announced increase by another company, was viewed as establishing a definitely upward price trend in this section of the market. It was too early last week to accurately determine what effect this increase would have on price quotations of synthetic resins, but in some quarters there was some indication of an imminent upward revision in synthetic resins prices. Producers, however, remained officially uncommitted last week, and their general policy seemed to be to withhold a definite decision until other phthalic anhydride suppliers took a stand one way or the other on the new trend.

The market situation of natural resins continued chaotic last week, with practically all buying done on a spot basis. Major importers were reluctant to divulge fixed price information, and little was known about the availability of stocks, although it was generally believed that supplies were ample. There seemed little hope last week of an early settling of the market as long as fiscal and political conditions abroad continued unstable.

Sole price fluctation in the protective coatings market centered about the naval stores section, as revisions of price schedules were effected in two directions, upward and downward, last week. Advanced uniformly 3c. per gallon were destructively-distilled pine oil, crude pinetar oil, rectified pinetar oil and retort pinetar. On the down side were destructively-distilled dipentene, reduced 7½c. to 15½c. per gallon, according to the quantity involved; pine pitch, down 95c. per 100 pounds; grades B and FF of wood rosin, off $1.00 and 25c. per 100 pounds, respectively, and destructively - distilled wood turpentine, decreased 7c. to 15c. per gallon, depending on quantity. Steam-distilled grades of pine oil and wood turpentine were unchanged in price.

Market Trends

Prices Advanced

Casein, dom., acid-precip., 1c. per lb.
Pine oil, dest.-dist., 3c. per gal.
Pinetar oil, crude, 3c. per gal.
rectified, USP, 3c. per gal.
Pinetar, retort, 3c. per gal.

Prices Reduced

Alphapinene, 16c. per gal.
Dipentene, dest.-dist., 7½c. to 15½c. per gal., depending on quantity.
steam-dist., 10c. to 12c. per gal.
Pine pitch, 95c. per 100 lbs.
Wood rosin, B, $1 per 100 lbs.
FF, 25c. per 100 lbs.
Wood turpentine, dest.-dist., 7c. to 15c. per gal., depending on quantity.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
179.8	179.8	179.8	147.4

(*For Current Prices see Page 9*)

Prime Pigments

Black, Acetylene—Market position of this material held steady last week following last month's 1½c. per pound price decrease. Current quotations are 12½c. per pound for carload quantities, f.o.b. works, and 16c. to 18c. per pound, l.c.l., f.o.b. shipment point.

Black, Carbon—Ample quantities of this material were said to be available for all but the channel grades. Demand continued at a normal pace and the price structure was stable, holding to levels of previous weeks.

Black, Lamp—Fairly good supply situation was reported for this pigment, with producers filling most orders on a current basis. Both demand and prices were unchanged during the period under review, the former still active and the latter firm.

Green, Chrome—Production of this material in June dipped somewhat under the output for May, with a total of 1,162,000 pounds as against 1,326,000 pounds for the preceding month. Output in June, 1946, amounted to 1,322,000 pounds.

Lead Pigments—Short supply continued to be the keynote to this section of the market, with little hope expressed last week for an early easing of the situation. In fact, there were persistent reports that lead stocks would tighten up considerably in September. Demand was uniformly heavy for all lead pigments, red leads, basic carbonate and basic sulphate white leads, and litharge. Although producers were able to send quantity shipments to many customers, the deliveries were by no means adequate and current production was said to be far short of current needs. The price structure for all lead materials remained at previously good levels.

Lithopone—While titanium pigments continued in short supply last week, demand for this material was still reported heavy. Producers of this product were operating at peak capacity and shipments were made at an increased tempo. However, it was emphasized that the industry will have to get as much as it can from current plant facilities since no new operating units are planned. Reticence on the part of lithopone manufacturers was ascribed to the expected expansion of titanium plants next year. Since lithopone is being used largely as a stop-gap substitute for titanium, it was hardly expected that manufacturers of the former would make any attempt to compete with titanium when that product was in full production. Prices remained stable at listings of former weeks.

Orange and Yellow, Chrome—Production of these materials in June amounted to 4,540,000 pounds, down slightly from the 4,669,000 pounds produced in May, but up considerably over the 2,928,000 of June, 1946.

Titanium Pigments—Although plants for these pigments were operating at peak capacity last week, there apparently was still not enough material available to meet current requirements. Plastic manufacturers were said to have let up somewhat in their demand, but the slack was more than taken up by the paint, textile and paper industries. The intended expansion of titanium producing facilities next year was reaffirmed last week. Price quotations for all materials, pure and extended grades, remained on a par with listings of previous weeks.

Zinc Pigments—Demand was said to have let up slightly last week, but it was emphasized by producers that this has had no appreciable effect on the overall supply situation, which continued short. No change was reported throughout the range of these materials, with price listings for pure and leaded zinc oxides, zinc-iron and zinc-cadmium pigments keeping to quotations in previous price schedules.

Fillers and Extenders

Blanc Fixe—The market position of this material was unchanged last week, with supply, demand and prices all remaining at levels of previous weeks.

China Clay—Supplies of these materials ranged from free conditions to narrow stocks. Domestic grades were said to be readily available, with wet ground types in fairly good supply. The imported product, however, was reported to be tight owing largely to the restricted shipping facilities available. Prices held firm last week.

Fuller's Earth—Petroleum refiners con-

For Late Market Developments, See Page 4.

tinued to account for the bulk of consumption of this material last week. The supply situation was unchanged, with ample quantities reported available to meet all calls. No changes in price quotations were noted during the week.

Talc—Imports of this material last week amounted to 500 bags from Genoa. Meanwhile, narrow stocks prevailed for better color uniform grades of this material, although ordinary grades were still said to be readily available. The price structure remained firm.

Whiting—The dry ground product was still said to be in good supply. At the same time, free supply conditions were also reported for calcium carbonate.

Synthetic Resins

Producers of these materials carefully eyed the onset of an upward price trend for phthalic anhydride, as another supplier of this intermediate announced a 3c. per pound advance for the product, effective October 1. Following as it does a similar increase by another producer several weeks ago, the consensus of opinion in the industry was that other phthalic anhydride producers would soon take action to meet this upward trend.

Synthetic resins producers, meanwhile, remained officially quiet as to the possible effects of these moves on the price schedules of their own products. Private information, however, tended strongly to the belief that some adjustments would have to be made, particularly in alkyd resins quotations. For the moment, prices by-and-large remained unchanged.

A major producer of pentaerythritol esters, nevertheless, announced a slight modification in quotations for one grade of his product, reducing prices 1c. per pound, for both carlot and l.c.l. quantities. Current quotations are 15c. per pound, carload, and 15½c. per pound, l.c.l.

Hydrocarbon resins, at the same time, were advanced by a major supplier 1¼c. to 2c. per pound, depending on the grade. The oxidizing light grade of the 100 percent solid material was upped 2c. per pound across the board, with current quotations listed at 15c. per pound, carload quantities, and 15½c. to 16c. per pound, l.c.l. The non-oxidizing product was unchanged. Solutions were upped variously 1¼c. to 1½c. per pound, depending on the grade.

With the possible exception of the recently-reported slackening in demand from plastic manufacturers, the market condition of these products was on a par with that of previous weeks. It was pointed out, however, that the lull in activity by the plastics producers was only a temporary situation and that the slack had been more than made up by other users.

Apart from the changes already noted, the price structure remained stable, holding steady at levels of previous weeks. Despite concrete indications of a revision of current schedules, there was no official indication that any action would be taken immediately.

Natural Resins

While both political and fiscal conditions abroad continued decidedly unstable, accurate market information on these materials last week was almost impossible to obtain. Most suppliers were said to have completely abandoned attempts to establish more-or-less fixed price schedules. All quotations were strictly on a spot basis, with a consequently marked fluctuation between listings of the various importers. However, it was generally believed that the price structure was slipping from levels of former weeks.

It was said that the chaotic state of the market was the main cause of the reluctance of suppliers to furnish fixed price information. Trading was confined to small shipments on an immediate basis, with the material supplied from current stocks. Importers pointed out that their inability to furnish definite price quotations would probably continue for some time to come.

In line with the unsettled conditions prevailing in the market, buying was said to have slumped considerably. Consumers apparently were reluctant to take on more material than they needed at the moment. Although suppliers were said to be able to fill most orders in any quantity, the lack of uniformity in the price structure was believed to be largely responsible for the slump in demand. From the buyer's point of view, the risk seemed too great to allow for any extensive buying. At the same time, accurate information on supply stocks was also lacking, but it was generally believed that good quantities of all grades were available.

Added to mounting stocks in this country last week were imports of copal gum amounting to 1,832 bags from Manila and Matadi. Shipments of the Manila grade totaled 51 bags, while the Belgian Congo product was registered at 1,781 bags.

Lacquer Materials

Dibutyl Phthalate—Producers of this material last week awaited further developments following another 3c. per pound increase in the price of phthalic anhydride, effective October 1. Both supply and demand were reported to be on a par with levels of previous weeks, the former short and the latter active. Current quotations for the material are 33¼c. to 36c. per pound, for carlot quantities; 34c. to 36½c. per pound, l.c.l.; and 32c. to 34½c. per pound, in tanks.

Diethyl Phthalate—An attitude of watchful waiting keynoted this section of the market as an other phthalic anhydride last week followed the lead of an earlier 3c. per pound increase. The new price is effective October 1. Meanwhile, the market position of this material continued at old levels, supply exceedingly tight and demand very heavy. Current quotations are 31½c. to 32¾c. per pound, for carload quantities; 32c. to 33½c. per pound, l.c.l., and 30c. to 31½c. per pound, tanks.

Dimethyl Phthalate—The market position of this material remained unchanged last week following the announcement by an-

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TYPICAL ANALYSIS

	XH	STANDARD	AMBER	SPECIAL
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Refractive Index 20C.....	1.483	1.483	1.482	1.481
Unpolymerized Residue.....	0.4%	0.4%	0.8%	2.5%
ASTM Distillation				
5%	215C	210C	206C	197C
95%	220C	220C	220C	222C
Moisture	0.2%	0.4%	0.5%	0.5%

PROPERTIES

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XH :	"Water White"	73%	6.2
STANDARD:	"Water White"	66%	5.5
AMBER :	"Straw Yellow"	58%	5.0
SPECIAL :	"Water White"	*73%	3.7

*Total Alcohols.

†On a concentrate containing 80% Pine Oil (F. D. A. Method).

CROSBY CHEMICALS, INC.

DE RIDDER, LOUISIANA

other producer of a 3c. per pound increase in the price of phthalic anhydride, the new quotation to become effective October 1.

Nitrocellulose—Unchanged condition prevailed for this material last week, as prices, supply and demand remained at levels of previous weeks. Prices last week were listed as follows: ester soluble grade, 30 to 35 centipoises, 26c. per pound for carlot quantities, 27c. to 29c. per pound, l.c.l. quantities; ester soluble grade, 18 to 25 centipoises, 125 to 175 seconds, 28c. per pound in carlots, 29c. to 31c. per pound, l.c.l. amounts; ester soluble grade, 18 to 25 centipoises, 250 to 400 seconds and 600 to 1,000 seconds, 31c. per pound, carloads, 32c. to 34c. per pound, l.c.l shipments, and spirit soluble grade, 30 to 35 centipoises, 32c per pound, in carloads, 33c. to 35c. per pound, l.c.l. Pyroxylin spread during June amounted to 4,556,689 pounds, according to the Bureau of Census. This was 20 percent less than the 5,725,772 pounds produced in May, and also below the 5,748,121 pounds turned out in June, 1946. June output was the lowest since July, 1945.

Triacetin—This plasticizer last week was reported in a stable market condition. Demand was active and supply was said to be adequate. Current listing for this product is 40½c. per pound, f.o.b. works.

Miscellaneous Materials

Bones — Unchanged conditions prevailed for this material last week as supply, demand and prices remained at levels of previous weeks. Imports during the week at Boston Harbor were registered at 2,073 bags from Barranquilla and Brisbane. The port of New York recorded a shipment of bones amounting to 80,444 pounds from Havana. Ossein shipments at Boston during the week totaled 484 bags from Antwerp.

Casein—With the domestic market firmer than it has been for some time, the acid-precipitated grade rose 1c. per pound. Current price quotations range from 32c. to 34c. per pound. Domestic rennet-precipitated casein was still reported very scarce, and hardly any material was available to provide an accurate picture of the price structure. Imported grades of the material were steady at 33½c. to 35½c. per pound for the acid-precipitated product. However, buyers were very cautious about purchases, and there was a general feeling throughout the market that the Argentine price listings could not hold up at current levels if demand continued to be weak.

Glue—Imported last week from Havana were 60 bales of glue stock. Barranquilla accounted for 281 rolls of the same material, while Hongkong was reported to have shipped 200 bags of glue. The market steadied after recent price advances in bone and hide glue. Demand was said to be off, due mainly to seasonal shutdowns of plants. Tight supplies still were the rule in this section of the market and indications were that they would continue throughout the remainder of the year. Manufacturers said that they contemplated no further price changes, at least not at present. Meanwhile, Brazilian exports of animal and fish glue in the nine-month period, January to September, 1946, inclusive, totaled 1,752 metric tons, of which the United States imported 1,340 tons.

Graphite—Imports last week amounted to 2,035 bags from Colombo, as the market position of this material remained on a par with levels of previous weeks.

Shellac—Demand for this material was still said to be falling off last week, though it was believed in some quarters that activity would resume next month. The supply situation was reported to be exceedingly good, while the price structure remained constant at previous levels. Imported last week were 650 bags of seedlac from Calcutta.

Stearates—Although the price structure of these materials remained firm last week, it was believed in some quarters that quotations would shortly be revised to reflect the recent 1c. per pound across-the-board decrease in the price of stearic acid. Demand was said to be active and supplies were reported to be available in adequate quantities.

Woodflour — A speculative tendency was said to dominate this section of the market. However, quotations were fairly constant last week at $32.00 per ton, for carlot quantities of the 40 mesh grade, $40.00 per ton, l.c.l.; 60 mesh, $37.00 per ton, carloads, $45.00, l.c.l. amounts, and the 80 to 100 mesh, $40.00 to $45.00 per ton, carlots, $50.00 to $55.00 per ton, l.c.l.

Naval Stores

Alphapinene—With a reported decline in demand, major suppliers last week reduced the price of this material 16c. per gallon. Current listing for the product is 59c. per gallon, tanks, f.o.b. works South.

Dipentene—Major suppliers of this material announced price reductions for the destructively-distilled product ranging from a low of 7½c. per gallon to a high of 15½c. per gallon, depending on quantity. Current quotations for this material are 54½c. per gallon, carloads, f.o.b. South; 55½c. per gallon, l.c.l. quantities, f.o.b. works South; 65c per gallon, l.c.l., warehouse New York City, and 44½c. per gallon, tanks, works South. At the same time, the steam-distilled grade was also reduced 10c. to 12c. per gallon, current listings calling for 70c. per gallon, warehouse delivered East, and 65c., tanks.

Pine Oil—A 3c. per gallon price advance was posted last week by major producers of this material for the destructively-distilled product. Current quotations are 70c. per gallon, carlots, f.o.b. works; 79c. per gallon, l.c.l. quantities, and 64c. per gallon, tanks. The steam-distilled product was unchanged at 11c. per pound, the warehouse.

Pine Pitch—Suppliers last week announced a price reduction of 95c. per 100 pounds. Current schedules list this material at $6.90 per hundred pounds, for 200-pound drums, warehouse.

Pinetar Oil—Both the crude and rectified USP grades of this material were advanced 3c. per gallon last week. Present quotations are listed at 39½c. per gallon, for carload quantities; 41½c. per gallon, l.c.l., and 33⅛s. per gallon, tanks. The less-than-carload price of the rectified USP grade is quoted at 60c. per gallon.

Pinetar Retort—This material was also upped 3c. per gallon last week. Current quotations are listed at 39½c. per gallon, carloads, f.o.b. works, South; 41½c. per pound, l.c.l., works South; 50¾c. per gallon, l.c.l., warehouse New York City, and 33½c. per pound, f.o.b. works South.

Wood Rosin — Grade B of this material was reduced $1.00 per 100 pounds last week by major suppliers, with a current carlot price listed at $4.50 per 100 pounds. Grade FF was lowered 25c. per 100 pounds, the current quotation being $6.50 per 100 pounds, carloads.

Wood Turpentine — Destructively-distilled grades of this material were reduced in price from a low of 7c. per gallon to 15c. per gallon. Current prices are:—50c. per gallon, for carload quantities; 55c. per gallon, l.c.l. quantities, f.o.b. works South; 66c. per gallon, l.c.l quantities, warehouse New York City, and 40c per gallon, tanks. Steam-distilled prices were unchanged at 76c. per gallon, for less-carlot quantities, and 55c. per gallon, tanks.

Gum turpentine on the Savannah market last week held gains made during mid-week trading. Sales were sluggish, with the high for the week recorded at 334 unit gallons on Friday, August 22. High point for shipments were registered on Monday at 515, while stocks remained uniform throughout the week. There were no shipments on Tuesday and no sales on Thursday.

Gum rosin on the Savannah market last week remained steady for grades B, D, E, F, G and H. However, grades I through X registered and held large gains during the week. Opening at $6.76 per 100 pounds at the opening of the business on Friday, August 15, grade I ended at $7.01 on Thursday. Grades WW and X jumped from $7.02 to $7.26. High-point of sales for the week were recorded on Tuesday at 255 unit sales. Stocks were steady throughout the week.

Savannah, Aug. 22.—Following is a record of the gum turpentine market for the week:—

	Bulk gallons— Cents.	Sales.	Bushels— Receipts.	Shipments.	On hand.
Friday	58¼	160	245	383	9,854
Monday	58⅝	23	250	515	9,589
Tuesday	59	115	305	...	9,894
Wednesday	59	6	121	92	9,923
Thursday	59	...	36	392	9,567
Friday	59	334	385	549	9,403

Savannah, Aug. 22.—Following is a record of the gum rosin market for the week:—

	Price per unit—Low of range quoted— Fri.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.50	$6.50	$6.50	$6.50	$6.50	$6.50
D	6.50	6.50	6.50	6.50	6.50	6.50
E	6.55	6.55	6.55	6.55	6.55	6.55
F	6.73	6.73	6.73	6.73	6.73	6.73
G	6.76	6.76	6.76	6.76	6.76	6.76
H	6.76	6.76	6.76	6.76	6.76	6.76
I	6.76	6.76	7.01	7.01	7.01	7.01
K	6.79	6.79	7.01	7.01	7.01	7.01
M	6.79	6.79	7.01	7.01	7.01	7.01
N	6.79	6.79	7.01	7.01	7.01	7.01
WG	6.79	6.79	7.05	7.05	7.05	7.05
WW	7.02	7.15	7.15	7.26	7.26	7.26
X	7.02	7.15	7.15	7.26	7.26	7.26
	Barrels—					
Sales	200	161	255	200	...	...
Receipts ..	1,047	434	400	1,985	647	8,004
Shipments..	600	...	...	...	...	10,103
Stocks	15,101	15,535	15,935	17,020	17,667	15,508

Trade Briefs

Peter Woboril, of Milwaukee, has been elected president of the Wisconsin Council of Paint and Decorating Contractors of America.

Charles Paint Research Company, Kansas City, has named Paul E. Ritts representative in Oklahoma and Texas and Frank E. Kraft representative in the Chicago area.

McDougall-Butler Company, Inc., paint and varnish firm, Buffalo, N. Y., held its annual employees' picnic on August 18 at Kudara's picnic grounds in Hamburg, N. Y.

Builders' Paint & Supply Company has been opened at 1780 DeKalb avenue, Atlanta, Ga., to conduct wholesale and retail business in paints, varnishes and other equipment.

Obituaries

Patrick H. Mack

Patrick H. Mack, inventor of oil-field equipment, died recently at his home in Bradford, Pa. He was ninety-five years old.

During his career, he had designed and patented more than seventy pieces of oil-field equipment, the most widely known of which was an oil packer which he developed in Bradford. He had received the title of "Pioneer of Pioneers" in the oil industry from the Oklahoma International Petroleum Exposition.

Herbert D. Robbins

Herbert D. Robbins, formerly chairman of the board and son of one of the founders of McKesson & Robbins, drug manufacturer, died August 21 at Asticou Inn, Northeast Harbor, Me., where he had been in the habit of spending his summers. He was eighty-four years old.

Mr. Robbins' father was Daniel C. Robbins who founded the drug firm, together with John McKesson, in 1833. In 1884, after graduating from Harvard University, the son joined the organization and served it continuously until 1928. He was chairman of the board in that year when the organization was acquired by other interests.

After his retirement he lived in St. Jean de Luz, France, until the Nazi invasion of that country, when he returned to New York to live.

Walter H. Emerson, authority on plant mechanization for the pottery industry and chief engineer for Homer Laughlin China Company, Newell, W. Va., died in East Liverpool, Ohio, while on an inspection tour for the company. A member of the American Ceramic Society, he was forty-nine years old.

Chauncey S. Hutchins, executive vice-president of Pontiac Varnish Company, Pontiac, Mich., died last week in that city at the age of forty-two. A graduate of the University of Michigan, he had been with the varnish company for the past twenty years.

John J. McCollum, president of the Sterling Mint Company, chewing gum manufacturer, New York, died August 21 at his home in Rye, N. Y. He was fifty-seven years old.

William R. Thacker, president and treasurer of Thacker-Craig Paper Company, died August 19 in Springfield, Mass., after suffered a heart attack. A native of Manchester, England, who came to this country in 1881, he was seventy-five years old.

Uldric Thompson jr., who claimed to be the inventor of a method for loading TNT into shells that was used during both world wars, died August 19 in his automobile near Dobbs Ferry, N. Y. He was sixty years old.

Pigments Substitutes In Germany Described

Dye solutions instead of pigments were used by the Germans for tinting raw paper base and coloring barium sulphate coatings used in the manufacture of photographic paper, according to a report on the German photographic industry now on sale by the Office of Technical Services of the Department of Commerce.

Orders for the report, PB-75852, "German photographic industry"; eighty-seven pages, photos, drawings, tables; microfilm, $2; photostat, $7, should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

The dye solutions were employed at the Felix Schoeller paper mill at Burg Gretesch, near Osnabruck, one of five plants visited by a team of investigators from the British Intelligence Objectives Sub-Committee.

Barium sulphate was obtained by several of the photographic paper manufacturers from the I. G. Baryta Manufacturing Plant at Leverkusen. The production of the chemical, also known as 'baryta," ran parallel to the production of lithopone, a substitute for white lead in paints and represented a means of utilizing by-products of two chemical processes.

The report contains drawings of paper coating machines and drying air re-circulation units, and plans and layouts of several factories. Photographs are included showing coating machines, mixing units, emulsion making units, and kettles.

Cleveland Paint Group To Hold 'Club Officers Day'

The Cleveland Paint, Varnish and Lacquer Association will hold a "Club Officers Day" at the Chagrin Valley Country Club on August 28. Program for the day includes golf matches and dinner.

INDOIL CHEMICAL PRODUCTS

INDOPOL

(INDOIL POLYBUTENE)

The INDOPOLS are synthetic high molecular weight mono-olefins. They are light in color—stable—compatible with waxes, natural and synthetic rubbers, solid polybutenes, etc.—miscible with hydrocarbon and chlorinated hydrocarbon solvents—miscible with many ethers and esters—insoluble in the lower alcohols and ketones.

USES include electrical insulating compositions, caulking compounds, adhesive products, coating and laminating compositions for paper and other films.

Brand Name	Indopol L-10	Indopol H-100	Indopol H-300
Mean molecular weight	330	780	940
Viscosity S.U. seconds at 100°F.	114	—	—
at 210°F.	40.6	942	3330
Specific gravity 60°/60°F.	.831	.881	.894
Refractive index (20/d)	1.465	1.492	1.496
Color, N.P.A.	2	2	3
Pour point (ASTM)°F.	—65	+20	+35
Weight, lbs./U.S. gallon	6.92	7.34	7.44

Intermediate grades and their viscosity S.U. seconds at 210°F. are L-50 (68 sec.), L-100 (94 sec.), H-35 (377 sec.) and H-50 (540 sec.).

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It describes the above grades.

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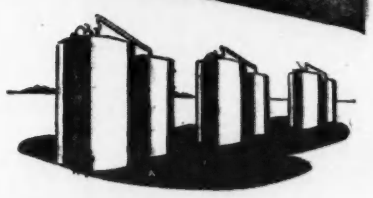

FERRO CHEMICAL CORPORATION
Union Commerce Bldg. Cleveland 14, Ohio

* NAPHTHENATES		SPECIFICATIONS	TYPICAL
Lead	24%	23.9 - 24.1	24.0
Cobalt	6%	5.9 - 6.1	6.0
Manganese	6%	5.9 - 6.1	6.0
Calcium	4%	3.9 - 4.1	4.0
Zinc	8%	7.9 - 8.1	8.0

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LOW VOLATILITY

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Methyl "Cellosolve"* Oleate
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Butyl Myristate Butyl Palmitate
Butyl Stearate

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Chicago Paint Technicians Select Speaker for Fall

Dr. Roy W. Tess, of the Shell Development Company, Emerville, Calif., will be the guest speaker at the first fall meeting of the Chicago Paint and Varnish Production Club. The date and place for the meeting have not as yet been selected.

Dr. Tess will discuss "The Relationship of Chemical Structure of Hydrocarbon Solvent to Properties of Interest to the Coating Materials Industry." The talk will deal with such properties as evaporation rate, boiling points, relative toxicity, and solvent characteristics.

NYU to Conduct Surface Technology Course

The department of chemical engineering of New York University will offer again this year a graduate course in surface technology. Registration for the one-year course will be September 15-19 for the first term and January 26-30, 1948, for the second. Additional information can be obtained from Henry J. Masson, assistant dean in charge of the graduate division of the college of engineering, University Heights 53, N. Y.

New Research Director

Dr. Conrad J. Sunde was recently appointed director of research for N. I. Malmstrom & Co., processor of lanolin and woolfat, Brooklyn, N. Y. He was formerly representative of the conservation division of the War Production Board in the fields of fats and oils, detergents, drugs and pharmaceuticals, and insecticides.

Pittsburgh Glass Making Alkali Resistant Paint

An alkali resistant enamel for use on industrial machinery where cutting compounds and oils saponify regular paints, has been developed in the paint division laboratories of the Pittsburgh Plate Glass Company.

Developed for applications where alkaline conditions cause regular machinery finishes to lose color, become brittle and generally deteriorate, the new enamel employs a plasticized rubber base vehicle, which is said to give it satisfactory adhesion and flexibility. A special green pigment that is not affected by alkali produces the same shade of "Vista Green" which is used in Pittsburgh's "Color Dynamics" system of painting.

This enamel is recommended for abnormal applications in most conditions of alkali up to ten percent. "Soakers" and washing machines in bottling plants, valve and crakshaft grinders and lathes are typical usages for the new coating.

Trade Briefs

B. E. Dougherty Company, manufacturers' representative, Los Angeles, has established offices and warehouses in San Francisco.

Sherwin-Williams Company, paint manufacturers, Cleveland, has added L. N. Whitehill to its research staff. He was formerly with the Shell Development Company.

Forman, Ford & Co., paint manufacturer, Minneapolis, has awarded a scholarship to students in the school of chemical technology at North Dakota Agricultural College.

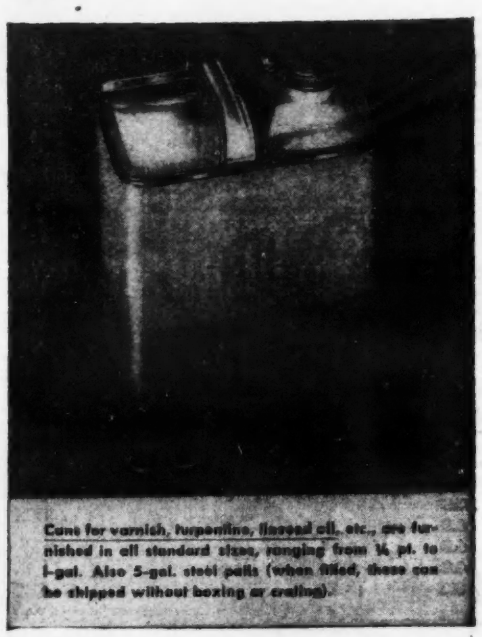
We're catching up!

GOOD NEWS! PRODUCTION'S RACING AHEAD!

Our expanded facilities are now rolling out more and more Triple-C cans to meet today's peak demand.

Raw materials are coming through in increased quantities—putting an end to many shortages. So it seems that any day now we'll be catching up with orders.

We thank you for your patience during the "shortage years" and welcome your requests for information about Continental cans. Just contact our nearest sales office.



Cans for varnish, turpentine, linseed oil, etc., are furnished in all standard sizes, ranging from ¼ pt. to 1-gal. Also 5-gal. steel pails (when filled, these can be shipped without boxing or crating).

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Refined Fusel Oil
(when available)
Dirty Solvent Recovered

Petroleum Firm Organized

—Continued from page 5

lesville, Okla.; Signal Oil and Gas Company, Los Angeles, and Sunray Oil Corporation, Tulsa, Okla.

The elected vice-presidents are K. S. Adams, Sam. B. Mosher and J. Howard Marshall. Directors include the officers and Vernon Barrett, Jack Blalock, L. A. Cranson, Don Emery, Paul Endacott, Russell H. Green, John W. Hancock, A. C. Mattei, I. A. O'Shaughnessy, Frank Phillips, Will J. Reid, W. W. Vandeveer and C. H. Wright.

The new company has an authorized capital stock of 1,000,000 shares of no-par value, of which 100,000 shares are paid in at the rate of $100 a share. Offices will be maintained in Washington, D.C. and San Francisco.

Mr. Davies said in a statement announcing the new concern that the new enterprise marked the first time that a large scale, substantially financed program in foreign oil operation had been undertaken by independents.

"Everyone recognizes that the security and well-being of the United States depend upon ample and continuing supplies of petroleum products," he added. "Everyone recognizes also, that there can be no assurance that all of these necessary supplies can be derived wholly from domestic sources.

"For the first time in our history, we are importing more oil that we export. Whether this is a temporary situation, which will be overcome when steel and transportation become easier, is something no one can know. But what everyone does know is that the demand, both domestically and world-wide has increased and will continue to increase. It is therefore obviously in the national interest that we have access to oil resources beyond our shores so that we shall be able to supplement our domestic supplies whenever they cannot efficiently meet demands."

Dr. Levesque to Address New York Paint Technicians

The New York Paint and Varnish Production Club will hold a meeting on September 4 at the Building Trades Employers Association, Two Park avenue, New York. Featured speaker of the evening will be Dr. Charles L. Levesque, who is in charge of the organic development group in the laboratories of Resinous Products & Chemical Company, Philadelphia.

Dr. Levesque will discuss chemical reactions involved in the manufacture and esterification of alkyd resins, describing various polymer formations and controls of reactions, and the effects on the properties of the finished alkyd caused by these control methods. Discussion will also be given to the types of alcohols and oil acids used and their effects on the hardness of the finished resins.

Thompson Advertising Manager For F.O. Pierce Company

F. O. Pierce Company, paint manufacturer, Long Island City, N. Y., has appointed Edward Thompson as advertising manager for the firm which recently was awarded a certificate of public service by the Brand Names Research Foundation for 100 years of continuous service to the consumer public. Mr. Thompson, who will coordinate all advertising and sales promotion activities, has held similar positions with Roberts Paint and Hilo Varnish Corporations.

Inmar Co. Now Marketing U.S.-Produced 'Duresco' Paints

The Inmar Company, manufacturers agent, New York, is now marketing 'Duresco' paints, which are being manufactured for the first time in this country. Produced in Europe for the past seventy-five years, 'Duresco' is described as a fire-resistant, permanent water paint which is touch dry in a half hour and washable in forty-eight hours.

Kurfees Paint Company Observes Fifty Years

More than 200 employees and guests of the J. F. Kurfees Paint Manufacturing Company, Louisville, Ky., attended a party in that city recently in observance of the fiftieth anniversary of the firm. James F. Kurfees, sr., founder of the company, is now chairman of the board and James F. Kurfees, jr., is president.

Trade Briefs

Sherwin-Williams Company stockholders have approved to split the company's stock on a two-for-one basis, which increases its authorized common stock from 800,000 to 1,600,000 shares.

Stainseal Corporation has been formed in Los Angeles to manufacture and distribute stains, hardeners, bleaches and waxes. The corporation is represented by Vincent C. Hickson, 720 Rowan building, Los Angeles.

Wilfrid Mavor, vice-president and director in charge of foreign activities of Ferro Enamel Corporation, Cleveland, is spending a year in Europe to inspect the activities of the company's plants in St. Dizier, France; Wolverhampton, England; Rotterdam and Stockholm.

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23	185	2–5	4½–6	55–65	20–25
36	185	5–8	5½–8	85–95	30–35

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LOS ANGELES, CALIF.
TORONTO, CANADA

Oils, Fats and Waxes

Conditions in the oils and fats market continued easy last week. Lower prices for new crop oil futures were reflected in prompt and nearby positions. Buying interest was light and spotty and was centered in the forward deliveries. Crude cottonseed oil sold off 1 cent per pound for forward delivery and registered a new low for new oil in Texas. Soybean oil also was weaker and declined 1 cent per pound. Corn oil was easy in sympathy with cottonseed oil though offerings were limited. Fish oils were further reduced last week. Suppliers cut refined menhaden and sardine oils 2 cents per pound. Trading in tallow and grease was limited, with consumers confining interest to the higher grades, though prices were well held for all grades. Copra was slightly higher, with moderate sales made at an advance of $2.50 per ton. Coconut oil was in slow inquiry and futures, while unchanged, could have been shaded for sizable quantities on firm bids. Tung oil continued the strongest among drying oils. Trading of good volume was done for nearby delivery. The unsettled situation in the Chinese exchange market resulted in a noticeable reduction in offerings of oil for prompt delivery.

Department of Agriculture last week announced allocations for 47,500,000 pounds of vegetable oils for immediate export to a number of countries, against tentative allocations for the fourth quarter of 1947. Included are 5,500,000 pounds of peanut oil, 22,300,000 of soybean oil, 11,000,000 of cottonseed oil, and 8,800,000 of fish oil. The department also allocated 9,856,000 pounds of lard to Belgium against its fourth quarter allocation and 200,000 pounds to Finland for commercial procurement in place of shortening, previously allocated. Some 904,000 pounds of coconut oil to Italy and 2,240,000 pounds to Venezuela for commercial procurement in exchange for an equivalent quantity (in terms of oil) from their Philippine copra allocations.

Improved trading in carnauba wax for shipment from Brazil advanced that market sharply. This was reflected in the local market and prices were firmer and higher Oricury wax also was steadier and advanced for spot delivery.

Market Trends

Prices Advanced

Carnauba wax, 5c. per lb.
Copra, $2.50 per ton.
Ouricury wax, 4c. per lb.

Prices Reduced

Corn oil, 1½c. per lb.
Cottonseed oil, 1c. per lb.
Menhaden oil, ref., 2c. per lb.
Peanut oil, 1c. per lb.
Sardine oil, ref., 2c. per lb.
Soybean oil, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
165.9	169.2	178.6	204.6

(For Current Prices see Page 9)

Cottonseed Oil

As a result the lower new crude market, bleachable oil futures registered new lows for the week. Selling pressure was chiefly in December, on hedges against the purchases of crude oil. Trading in futures was fairly active. December was switched to May even and to March at a differential of 15 points.

Light sales in crude were reported at 13½c. per pound tankcars, Texas October shipment, a new low. In the Southeast the market was nominal at 18c. per pound, tankcars, August, 16c. September and 14c., October. In the Valley sales were reported at 16c. first half of September, and 14½c. first half of October.

As a result of favorable prospects for a larger cottonseed and soybean oils production this year the board of managers of the New York Produce Exchange have eased the trading rules covering these commodities. Effective August 18, brokers will be permitted to extend credit to commercial accounts. The new rule grants a maximum credit of $600 a contract, or a total of $10,000 to any person or firm on legitimate hedges in cottonseed and soybean oil futures. This is expected to increase hedging operations on the Exchange, it was said. Under the new ruling, the brokers will continue to maintain the present full margin of $1,200 a contract on legitimate hedges but will be allowed to extend credit. On speculative accounts, clearing house margin requirement of $1,200 will be continued, but brokers will not be permitted to extend credit.

Memphis.—Crude cottonseed oil sold at 16c., tankcars, first half of September, and 14c. first half October, Valley. Soybean oil sales were reported at 14c., tankcars, f.o.b. Southern mills, August shipment. Cottonseed meal firmer with domestic demand active. Mills not anxious sellers. Prime cottonseed meal, 41 percent, was quoted at $86 per ton, for August; $78, September, and $76, October, Memphis. Hulls ranged from $10 to $10.50 per ton, bulk, Memphis, for September-October. Cotton crop progress favorable under continued hot weather.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended August 22, follows:—

	Sales	Cents per pound High	Low	Close
September	..	..	..	16¾@16¾
October	19	16½	16	16.10@16.55
December	71	16½	15.60	15.77@15.90
January	10	16½	15¾	15.75@15.79
March	24	16.90	15¾	15.95@16.19
May	4	16	16	15.91@16.23
July	..	..	..	15.85@16.27

Total sales, 128 contracts.

Crude oil was sold at 16c., tankcars, first half September, and 14c. first half, October, Valley. Sales reported 13½c. Texas, October. In the Southeast sales were made at 18c. for August shipment; 16c. September, and 14½c. October.

Linseed Oil

Some improvement was reported in trading last week, chiefly for nearby delivery. Raw oil was sold at 27.4c. per pound, tankcars, September-December delivery. Inquiry for spot and prompt delivery requirements continued slow. Tankcars for August were quoted at 28c., with intimations that this could be slightly shaded on firm bids.

Canadian flaxseed crop was estimated at 10,916,000 bushels, compared with 7,461,000 bushels last year.

An emergency export allocation of 3,000 short tons of linseed oil which had been acquired by CCC from Argentina was announced last week by the Department of Agriculture. This oil will be re-exported by the present commercial holders, and is in addition to the 8 250,000 long tons announced on August 7. These re-exports are from the two recent purchases made by the CCC of 32,000 and 40,000 tons, respectively. The 3,000 tons just announced, and owned by the original purchasers from CCC, will be re-exported as follows:—Philippines, 1,000 tons; Australia, 650 tons; Czechoslovakia, 100 tons; Belgium, 750 tons; Netherlands, 500 tons.

Minneapolis.—Demand for oil was rather lim-

Cottonseed Crush Smaller: July

Cottonseed received and crushed and production of cottonseed products from August 1 through July 31, 1947, as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons 1946-47	1945-46
Receipts	[3]3,088,988	3,162,929
Crushed	3,088,335	3,261,915
On hand July 31	98,339	117,806

Crude Oil

	Pounds 1946-47	1945-46
Produced	972,617,000	1,017,540,000
Shipped	975,986,000	1,018,480,000
On hand July 31	[4]14,967,000	23,335,000

Refined Oil

	Pounds 1946-47	1945-46
Produced	[5]911,907,000	952,491,000
Shipped	.....	.....
On hand July 31	[6]171,342,000	263,154,000

Cake and Meal

	Tons 1946-47	1945-46
Produced	1,361,668	1,434,326
Shipped	1,346,380	1,454,956
On hand July 31	46,916	31,628

Hulls

	Tons 1946-47	1945-46
Produced	726,594	783,489
Shipped	717,035	819,252
On hand July 31	35,284	25,925

Linters

	Bales 1946-47	1945-46
Produced	[8]991,195	988,800
Shipped	946,818	972,322
On hand July 31	[9]79,451	35,054

[1] Includes 100 and 2,558 tons destroyed during 1946-47 and 1945-46, respectively. Does not include 117,906 and 219,340 tons on hand August 1, 1946 and 1945, respectively, nor 99,487 and 59,258 tons reshipped during the seasons 1946-47 and 1945-46.

[2] Includes 7,040,000 pounds at oil mills, 4,630,000 pounds at refining and manufacturing establishments, and 3,297,000 pounds in transit.

[3] Produced from 980,753,000 pounds of crude oil.

[4] Includes 106,955,000 pounds at refining and manufacturing establishments, and 4,387,000 pounds held elsewhere and in transit.

[5] Includes 280,714 bales first cut, 506,625 bales second cut and 133,856 bales mill run. Average gross bale weights:—Total, 615.7; first cut, 601.0; second cut, 623.8; and mill run, 612.8 pounds.

[6] Includes 65,401 bales first cut, 9,522 bales second cut, and 4,508 bales mill run.

For Late Market Developments, See Page 4

fied, though a fair volume of small-lot business was reported in some quarters, most buyers having enough oil on the books for the September-October period and willing to wait further developments. Oil prices quoted around 27.5c. level early in the week slid to 27.5c. by midweek and quoted quite generally at around 27c. a pound, in tankcars, Zone 1, for September-forward. The lower price was quoted mostly on round lots, but the market was not completely stabilized and it was understood that some single-tank lot sales were established at the 27c. level. Oil production was only modest in the local market but, as receipts increase, it is expected that crushers will get into full production. Iodine number of oil is running around 190, with the lowest reported to date around 184 and the highest 192. Shipping instructions on old oil contracts continued in good volume, and shipments from Minneapolis, despite the very small new-crop run, held up well.

Shipments of linseed oil, in pounds, were as follows:—

	1946-47	1945-46
This week	5,040,000	4,860,000
Since Sept. 1	247,200,000	290,414,000

Flaxseed—Demand for new seed active, but light offers restricted business.

Minneapolis.—The first rush of new seed to market was experienced during the week, and crushers' buyers were actively endeavoring to obtain as large a possible percentage of the

daily receipts in order to get their plants in operation. Price was no factor in the situation, as values held at the government support price of $6 a bushel in both the spot and to-arrive market. There was only scattered selling of flax on a to-arrive basis, and crushers had nothing to offer the country in the way of a price incentive. Quality of the new-crop seed continued to hold up well during the week, arrivals being particularly free from weeds and other foreign material, and those who predicted a weedy crop were confounded by the generally clear offerings. First-run cars of flax showed extremely low moisture, and the iodine number of the oil from the first arrivals was running extremely high, also the oil content was much better than expected. First-run tests of mailed flax samples indicated that oil would be below average in quantity, but later tests apparently disprove this first premise.

	Receipts		Shipments	
Bushels—	1946-47	1945-46	1946-47	1945-46
This week...	382,500	712,300	57,800	57,150
Since Sept. 1.	12,384,800	20,526,100	4,200,000	4,413,990

Other Vegetable Oils

Coconut—Consuming inquiry was inactive and the market entirely nominal. Crude oil was quoted at 11¼c. per pound, tankcars, f.o.b. Pacific coast, for prompt shipment at 10¾c. for October-December shipment.

Copra—Trading was moderate and reported at $142.50 per short ton, c.i.f. Pacific coast, an increase of $2.50 for the week. Deliveries to Atlantic ports were quoted at $148.50, c.i.f.

Corn—Market was easier and off about 1½c. per pound. Crude oil was nominal at 20c. per pound, tankcars, f.o.b. mills, with best bids reported at 1c. less. Refined oil was nominal at 23c., same basis.

Peanut—Trading was quiet and the market was easy, in sympathy with cottonseed and soybean oils. Crude oil was sold at 19c. tankcars, mills southeast for immediate shipment, a decline of 1c. per pound. October was offered at 15½c. same basis, with no takers. Allocations for the immediate export of 5,500,000 pounds of peanut oil were announced by the Department of Agriculture last week. Totals to the following countries were:—New Zealand, 2,200,000 pounds; Canada, Philippines and Finland, 1,100,000 pounds, each.

Rapeseed—Moderate quantity of domestic oil was quoted at 31½c. per pound, tankcars, f.o.b. Pacific coast. Inquiry was quiet. Small lots in drums were sold at 34c. per pound, on the spot, with quotations merely nominal thereat.

Soybean—An easier tone dominated this market and quotations declined ½c. for prompt and 1c. for futures. Sales of sizable quantities of crude oil was reported sold at 14½c., tankcars, f.o.b. mills, for September shipment. Some business also was noted at 14c. for October-December, same basis. All positions were nominal at 14c. mills, late in the week. Refined oil was nominal 17c. to 17½c. per pound, tankcars, mills.

Allocations of 22,300,000 pounds of soybean oil for export were announced by the Department of Agriculture last week for shipment to the following countries:—Canada, Denmark, France and Netherlands, 3,300,000 pounds each; Czechoslovakia, Norway and French Colonies, 2,200,000 pounds each and Latin America, 2,500,000 pounds. All for commercial procurement.

Crushing of soybeans the first nine months of the 1946-1947 season was the largest on record, reflecting the urgent demand for oil. Soybean stocks July 1 totaled 40,000,000 bushels which was about 8 percent larger than a year ago. A soybean crop of 188,000,000 bushels in 1947 was indicated by August 1 prospects. After advancing to near record levels in March soybean prices have since declined somewhat, but in July averaged 34 percent above a year ago.

Despite the highest crushing rate on record, disappearance of soybeans in the first nine months of the current season was 1,700,000 bushels less than last year and amounted to 161 million bushels. This smaller disappearance was due to the sharp drop in the use of soybeans for feed. Crushing of soybeans for oil, reported by the Bureau of the Census, totaled 135,500,000 bushels for the first three-quarters of the 1946-1947 season. This is 10,000,000 more than was crushed in the same months of 1945-1946 and 20,000,000 bushels above the same months for 1944-1945. Exports, October through June this season, totaled 3,000,000 bushels compared with 2,700,000 bushels in the same months of 1945-1946.

Soybean stocks July 1, 1947, of 40,000,000 bushels, compares with 37,000,000 a year ago and 46,000,000 two years ago.

Prices of refined bleachable soybean oil in tankcars on the N. Y. Produce Exchange for the week ended August 22, follows:—

	Sales	Cents per pound—High	Low	Close
September	..	12	12	16½ nom
October	..	..	..	15@16½
December	..	..	..	14½@16
January	..	..	..	14½@16
March	..	..	..	14½@16
May	..	..	..	14½@16
July	..	..	..	14½@16

Total sales—None.

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SPOT AND FUTURE DELIVERIES

Tung—Additional sales of tung oil were made at 25½c. per pound, tankcars, New York basis, with 26c. generally asked last week. Fair volume of trading was reported for September-October shipment. Offerings were reduced late in the period, because of the uncertainty of the price for shipment from China as a result of the unsettled exchange market in that country. Carlots, drums were quoted at 27¼c. and less carlots at 27¾c.

Los Angeles.—Business in crude and refined vegetable oil was dull last week. Quotations were nominal. Tankcars were quoted as follows:—Coconut, crude, 11¼c. per pound; cottonseed, bleachable, 24c. per pound, f.o.b. Texas; mustard seed 18c. per pound; peanut, crude, 20c. per pound, f.o.b. Texas; sesame, crude, 25c. per pound; soybean, 16c. per pound; castor prime cold pressed, 28c. per pound, drums.

Fats and Greases

Lard—Firmness in grains created a steady tone in lard and the market registered slight gains. Consuming demand has showed slight improvement for prompt delivery. Prime steam lard was quoted at 17c. per pound, tierces, and 15.27c. loose, Chicago. Stocks of lard and rendered pork fat in the United States August 1 totaled 192,787,000 pounds, compared with 175,269,000 pounds July 1, and 43,590,000 pounds, August 1, 1946. The August 1 five-year average is 160,925,000 pounds. Chicago lard stocks on August 15 were 94,441,825 pounds, against 91,678,070 pounds, August 1, and 3,397,650 pounds, August 15 last year.

Fish Oils

Menhaden — Further price reductions were noted last week, and all refined grades were cut 2c. per pound. Business was slow. Alkali, refined, was quoted at 18½c. per pound, drums, less carlots, kettle-bodied, 20c., and light-pressed, 17c., same basis.

Sardine—Owing to the lower costs of new crude oil, prices of refined were again reduced 2c. per pound. Consuming inquiry was fair for nearby delivery, but was inactive for prompt. Alkali, refined, was quoted at 18½c. per pound, kettle-bodied, 20c., and light-pressed, 17c. per pound, drums, less carlots, and 16c., tankcars, for the latter grade.

Cake and Meal

Cottonseed Meal—Buying interest is a little better and several lots of sacked 41 percent traded in Georgia at $73 October and at $71 for November last week; $76 is asked for September shipment, last sale made at $75; $73 is asked for September, October, November, December, coupled but has not yet traded at this price. Several small lots were sold in South Carolina for $75 for September shipment.

Linseed Meal—Consuming demand continued active. Offerings were scarce and market remained firm.

Minneapolis.—Demand for meal was fairly brisk and crushers were not active sellers. Prices held firm at the $72 to $73 level. Contracts covering most of the nearby output of mills have been pretty well covered and only a few of the mills have anything of consequence for sale. Instructions on maturing contracts continued brisk.

Shipments of linseed meal, in pounds, were as follows:—

	1946-47	1945-46
This week	2,820,000	12,480,000
Since Sept. 1	338,080,000	402,920,000

Peanut Meal—Sacked 45 percent sold last week at $70, f.o.b. Georgia mill, for November and December shipments. Sacked 41 percent is available at $65 for this shipment. Mills generally are not offering new crop, preferring to wait further developments.

Waxes

Candelilla—Trading was light and mainly for small lots for actual needs. Prices were unchanged.

Carnauba — Trading of good volume coupled with a firmer Brazilian market, further strengthened the spot situation last week. Prices were increased about 5c. per pound. Yellow was scarce on spot and offers for shipments also were limited and closely held. No. 3, chalky, was quoted at 92c. to 95c. per pound; No. 2, North country, 98c. to $1.00; No. 3, North country, 94c. to 98c.; refined, $1. to $1.05, and No. 1, yellow, $1.33 to $1.35 for spot delivery.

Montan—Market was inactive. Prices were unchanged and nominal.

Ouricury—Prices were firmer and were advanced 4c. per pound, in sympathy with a stronger carnauba market. Crude was quoted at 59c. to 60c. and refined, 65c. to 66c. per pound on the spot.

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Petroleum Derivatives

Except for some producer advances on gasolines, fuel oils and other distillates going along with certain advances previously made by other producers, the petroleum derivatives market remained essentially unchanged last week pricewise. Some producers however persisted in their policy of holding the line on price and made no changes.

Large volume trading was characteristic of the market with heavy demand on all sides. Aromatic solvents moved freely with production being sufficient to meet demand, and toluol and xylol were being shipped with reasonable promptness against orders on hand. Lacquer diluents of both the toluol and benzol types were in good supply at firm prices ranging from 9⅜ cents to 10⅝ cents per gallon in tankcar quantities at the refineries.

V. M. & P. Naphtha, rubber solvent, and similar naphthas were in a somewhat tight position at firm prices, in a sellers market where supply was somewhat under demand. Certain producers were able to fill orders as received, while other producers were in the position of delayed shipments because of insufficient material.

Fuel oils were particularly tight last week. Demand was reported to be such that producers were, in general, hard pressed to meet demand coming from homes and industry. This situation does not pose a comfortable supply situation on fuel oil for the coming Winter months. Demand for diesel fuel continued unabated.

Paraffin waxes were in a quite tight position with most producers being sold out for a long time in advance at prices ranging from 6¼ cents to 8 cents per pound. Microcrystalline waxes were in a particularlargely tight supply position with heavy demand from the food packaging and other industries. The hardest pinch in supply was in the 190 to 195 degree Fahrenheit waxes which in recent months have undergone price rises to a point where white microcrystalline wax is now quoted at 34 cents per pound at the works, with amber listed at 21 cents and black at 19½ cents per pound on the same basis. The 170 degree material was in somewhat less demand, but still tight. There was no relief expected in the microcrystalline wax market because of a lack of sufficient crude oils of the necessary type.

Refiners reported a continuing fair demand last week for petrolatums, following a reduction in prices as previously reported two weeks ago. However, the slow market situation developing in the petrolatum field stems from a falling off of export business which normally accounted for 70 percent of the petrolatum business. This decrease of export business, of course, is due to the same cause that is affecting export trade all across the board, namely, a lack of dollars in foreign countries with which to make purchases.

Industrial naphthas as a whole have generally been moving in a sellers market, but the supply has under pressure been able to keep up with demand. Currently, the situation looks as though there were a falling off, or decline, on several grades of naphthas. This is particularly true of rubber naphthas, cleaners naphthas, and paint type naphthas. This leveling off refers to the volume of business only, and some of it is undoubtedly seasonal. Demand from the oil and fat extraction industry and from the ink industry has continued steady, and it was expected that these industries would continue to operate at peak levels.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended August 9 totaled 227,779,000 barrels, according to the Bureau of Mines. Compared with the total of 231,469,000 barrels for the preceding week, this represented a decrease of 3,690,000 barrels, comprising a decrease of 3,299,000 barrels in stocks of domestic crude and a decrease of 391,000 barrels in stocks of foreign crude. Heavy crude oil stocks in California, not included in the gasoline-bearing stocks, totaled 5,189,000 barrels, an increase of 64,000 barrels from the previous week.

Market Trends

Prices Advanced

None

Prices Reduced

None

(For Current Prices see Page 9)

Solvents and Diluents

Aromatic Solvents—The market situation on both low and high boiling aromatic solvency petroleum fractions was essentially unchanged last week. The higher boiling aromatic and aliphatic blends were more freely available than the fast evaporating types such as toluol and xylol and their analogs. Prices held firm in a balanced market wherein sufficient supplies to meet demand were being manufactured, but excessive stocks were not accumulating.

Cleaners Naphtha—Cleaners naphtha was moving last week in a sellers market, at firm prices and with sufficient material available to meet demand.

Lacquer Diluent—Lacquer diluents of both the toluol and benzol types were in good supply last week and were quoted at tank car prices ranging from 9⅜ cents to 10⅝ cents per gallon at the refineries. The strength that persisted in the market indicated, according to some quarters, that prices may be raised in the not too distant future.

Mineral Spirits—Heavy volumes of this solvent continued to move last week. The higher solvency mineral spirits which are considered more as specialties were also being sold in fair volume, but these represented only a small part of the total mineral spirits volume. Prices were unchanged last week and no change in the immediate future was expected.

Rubber Solvent—Demand for rubber solvent continued steady last week in a sellers market with the supply situation gradually beginning to tighten. Prices held firm under a half cent differential between different suppliers.

Stoddard Solvent — There was ample material available last week to meet Stoddard solvent demands at firm prices.

V.M.P. Naphtha—This solvent continued in a sellers market last week with supplies in such position that some producers could make prompt deliveries, while others were behind in their shipments. Prices were holding firm with a half cent per gallon spread at given points between producers. The tightening supply situation was not expected to ease in the near future.

Lighter Fractions

Supplies of butane, heptane, hexane and pentane were experiencing their usual seasonal decline in demand last week and small volumes were being shipped against orders which were described as steady, but at reduced levels. Propane and those lighter fractions necessitating shipment in pressure tanks and cylinders were, however, in a somewhat tight supply position due to the lack of sufficient pressure vessels.

Miscellaneous

Crude Oil—Imported last week were some 480,135 barrels of crude oil. This material came from Cartagena, Los Piedras, and Porto La Cruz. Stocks of domestic and foreign crudes were reported to total 227,779,000 barrels for the week ending August 9. Mexican crude oil production for the first six months of 1947 totaled 23,882,164 barrels, as compared with 20,860,404 barrels for the same period last year. Venezuelian petroleum operations during the period of January to May of this year showed production of 176,643,149 barrels of crude oil. Of this total, 161,282,072 barrels were exported, while 13,770,168 barrels were refined.

Fuel Oil—Some 69,718 barrels of fuel oil were imported last week from Tampico and Curacoa. The domestic prospective supplies of fuel oil were reported to be not too good for the coming Winter. Prices were tending upward last week in the East and South.

Shipment of light fuels continued at a high rate last week. It was reported that the majority of refiners were unable to supply demands for industrial uses. Some refiners were reported to be brokering No. 2 fuel oil in tankcar shipments with the buyers paying the freight.

Prices as posted at refineries was being abnormally raised by dealers with some spot oil of the Bunker C type bringing premiums in the range of 59 cents per barrel. Exporters were reported to be offering still higher prices.

Oil, Paraffin—Pale oil of paraffin was being quoted last week at 10 cents per gallon in tankcars at the refinery. Demand for the various viscosity grades was reported to be fair with supplies sufficient to meet demand.

Petrolatums—Demand for all light petrolatums continued fair last week, refiners reported, and it was reported that export business was becoming somewhat uncertain. The reason for the uncertain export situation was, of course, the lack of the necessary dollars in foreign countries for the placing of orders. Since export business accounted for approximately 70 percent of the petrolatum business, this lack of dollars poses a threat to the petrolatum field which cannot be overcome by the recent reduction in prices or any subsequent such reductions.

Waxes, Microcrystalline—The 170 to 175 degree Fahrenheit microcrystalline waxes were in tight supply last week against heavy demand. Prices for the amber were quoted at 16c. per pound, f.o.b. works, while the black was listed at 14½c. per pound and the white at 27c. per pound on the same basis.

Especially tight was the 190 to 195 degree Fahrenheit melting point grade, which was in extremely heavy demand against limited supply. Prices for this material were currently quoted on an f.o.b. works basis at 34c. per pound for the white, 21c. per pound for the amber grade, and 18½c. per pound for black.

The very tight supply situation prevailing in the microcrystalline wax market under heavy demand from the food packaging and other industries was due primarily to a lack of raw materials. There were insufficient supplies of the proper crude oils to meet demand from this source. Some consideration was being given to prospecting for new sources of this type of crude oil.

Parafin wax last week was under heavy demand, and most refiners reported that they were sold ahead for long periods of time. Some scale wax was being sold for export in certain quarters at quite fancy prices, in the range 9½c. per pound. Domestic prices varied from 6½c. to 8c. per pound.

For Late Market Developments, See Page 4

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5—Readco Jacketed Mixers, double ribbon spiral agitators, 160 gal. working.

25—New and Rebuilt all Steel Batch Mixers—from 200 lbs. to 3,000 lbs.

1—Pfaudler 300 gal. Glass Lined Pre-Vac. Percolator.

6—Aut. Carton Gluers and Sealers by Standard Knapp and Ferguson. Packaging Equipment: Fillers, Labellers, Wrappers, Cartoners, *etc.*

DRYERS

8—Devine Vac. Shelf Dryers, from 2 shelf lab. size to 17 shelf 40 x 43.

2—Proctor and Schwartz Conveyor Belt Dryers.

6—Single and Double Drum Dryers.

1—Spray Dryer 18' dia. x 18' high, complete with all accessories.

13—Rotary Direct and Indirect Heated Dryers, Sizes from 2' x 9' to 10' x 80'.

2—Louisville Steam Tube Dryers 6' x 25' and 54" x 30'

5—Evaporator Pan Dryers —Atmospheric or Vacuum 5' to 7'6" dia.

EXTRACTORS

1—Bird Stainless Steel Extractor 40". Perforated Basket, with Plow, and Bottom Dump.

23—Tolhurst, American, Troy Centrifugal Extractors, all types with S.S., Copper, Rubber Lined, etc., Baskets.

FILTER PRESSES AND FILTERS

2—Shriver 42" C. I. open delivery Filter Presses.

20—Sperry, Shriver, other good makes, all sizes, Cast Iron, Lead Lined, Wood Plates and Frames.

1—Oliver Rotary Vac. Filter, 6' x 44" face.

2—Oliver Filters Dorreo Dewatering Type, 6' x 3', with neoprene covering.

1—Oliver Filter, 6' x 4', with stainless contact parts.

1—Oliver Pre Coat Vac. Filter, 8' x 10', with pump.

MILLS AND GRINDERS

8—Raymond No. 5 Low Side Pulverizers, formerly used for crushing coal.

15—Hammer Mills by Williams, Gruendler, Jay Bee, Jeffrey, Stedman, other standard makes.

20—Fitzpatrick Model D Comminuting Machines, stainless parts.

6—Mikro Pulverizers, from No. 1 to No. 4.

COLLOID MILLS HOMOGENIZERS VISCOLIZERS

34—Eppenbach, Premier, U. S., Charlotte, Chemi-Colloid, Manton - Gaulin, with Stainless, Brass, Steel contact parts from 1/3 HP up to 50 HP.

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27—Stainless Steel TANKS, 900, 350, 300, 250 gal.

47—Aluminum TANKS, 800, 700, 250 gallons.

3—Pfaudler 375 gal. closed GLASS LINED TANKS, side m.d. agitated.

2—1,000-gal. STAINLESS STEEL TANKS

68—Aluminum JACKETED KETTLES, 20 to 100 gallons.

3—Aluminum JACKETED, AGITATED KETTLES, 1,200 750, 500 gallons.

36—Stainless Steel JACKETED KETTLES, 80, 60, 40, 30, 20 gallons.

3—COLLAPSIBLE TUBE MACHINES: 1—Colton No. 14 Auto. Filling, Closing, Clipping; 1—Colton No. 2 Comb. Filling and Closing; 1—Colton No. 2 Tube Closer.

2—J. P. Devine belt driven two stage, 12 x 12 x 12 ROTARY VALVE DRY VACUUM PUMPS.

1—8'x8' OLIVER FILTER UNIT, complete.

12—Read 700 lb. steel Horizontal Jacketed MIXERS.

1—Badger 883 gal. all copper GIN STILL, complete wih condenser and pump.

2—J. H. Day, Size D, 600-lb. DRY POWDER MIXERS, M.D.

1—Gedge Gray 1,200 lb. DRY POWDER MIXER, center discharge, belt drive.

2—W. P. MIXERS, Jacketed, 100-gal. sigma blades.

2—Stokes & Smith auger FILLERS, with S.S. hoppers. Practically new.

1—Colton No. 8 Can FILLER, ⅛ pt. to 1 qt.

1—Premier 5" Colloid Mill, 10 H.P. motor.

1—York 500 GPM HOMOGENIZER bronze fitted, with 15 H.P. A.C. motor.

1—450 gal. copper steam jacketed KETTLE.

1—250 gal. Copper jack. agit. closed KETTLE OR VAC. STILL.

2—Copper steam jacketed agitated KETTLES, 1—54" dia. x 42" deep, 300 gals.; 1—36" dia. x 31" deep, 70 gals.

1—Pneumatic Scale Tight Wrap Machine, M.D.

1—J. H. Day auger POWDER FILLER.

2—Colton No. 3 TOGGLE Globule PRESSES, for making capsules.

1—Pneumatic Scale six head CAPPING MACHINE.

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2—2,000-lb. DRY POWDER MIXERS, motor driven with 20 H.P. AC motors.

2—J. H. Day, Size D, 600-lb. DRY POWDER MIXERS, M.D.

1—Gedge Gray 1,200 lb. DRY POWDER MIXER, center discharge, belt drive.

2,200-LB. PRESSURE TRIPLEX HYDRAULIC PUMPS

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1—No. 10 Sweetland, 52 brass leaves.
1—Shriver, 36"x36", iron, center feed, 46 plates, ratchet closing device.
1—Johnson, 36"x36", iron, center feed, 44 plates, double end, gear closing device.
1—Sperry, 30"x30", iron, plate and frame, closed delivery, 31 chambers.

DRYERS

1—Buffalo Atmospheric DOUBLE DRUM DRYER, 42"x100".
1—6' dia. x 50' long LOUISVILLE ROTARY STEAM TUBE DRYER, with two rows of 54 tubes, 3½" and 4", gear reducer drive.
1—B. & C. 36" x 84" Atmospheric DOUBLE DRUM DRYER, complete.
2—Buffalo 32" x 72" Atmospheric DOUBLE DRUM DRYERS, M.D.
1—A. N. 4' dia. x 9' long atmospheric DOUBLE DRUM DRYER complete.
1—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYER, complete.
2—Direct heat ROTARY DRYERS, 5' x 30', 6' x 35'.
1—6' x 35' Louisville Direct Heat single shell ROTARY DRYER.
2—36" dia. x 14' Direct Heat ROTARY DRYERS, ½ shells, with furnaces, semi-portable, all mounted on I beams.
1—6' x 60 ROTARY DRYER.

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1—K. K. 8 stem Rotary Vacuum FILLER.
1—K. K. 20' steel CONVEYOR BELT, 4" wide.
1—CAPEM sgl. head CAPPER with automatic CAP FEED.
1—WEEKS automatic straight line LABELLER.

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2—Stokes RD-4 Rotary 16 punch, maximum 1" dia.
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1—18" x 18" wood P&F, 13 chambers, closed delivery.
2—24" x 24" wood P&F, 23 chambers, closed delivery.
1—32" x 32" wood P&F, 41 chambers, closed delivery.
1—No. 10 Sweetland 54 bronze leaves, 2" centers, 500 sq. ft.
3—No. 2 Sweetland, No. 316 stainless steel body and stainless steel leaves, 36 and 48 sq. ft.
1—No. 1 Sweetland, Stainless fitted.
5—No. 2B Vallez, 16 to 24 sq. ft.
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3—Oliver 8' x 6' Rotary Dewaterers.

CRYSTALLIZERS

1—Buflovak 6' dia., Vacuum Type.
3—Buflovak 6' Atmospheric.
3—Swenson Walker Continuous, 24" x 20'.

KETTLES AND TANKS

1—New Dopp 150 gal. Jacketed, Agitated Kettles, Type R Agitator, jacketed blades.
1—100 gal. Steel Jacketed Agitated Kettle, with reducer and motor.
1—Blaw-Knox Ductiweld 100 gal, Steel Jacketed, Agitated Kettle, 125 lb. jacket pressure, 150 lb. internal pressure.
1—2' x 4' Horizontal Cast Iron Autoclave.
5—Stainless Steel Kettles, 60 to 300 gals.
1—600 gal. Jacketed Kettle, with reversible screw type agitator.
1—Patterson Rubber-Lined Mixing Tank, 3' dia. x 6' deep, with Type "R" Uni-Power Drive.
4—Pfaudler jacketed glass-lined Kettles, 60 gallon capacity, stainless steel, double motion agitators and motors.
5—Pfaudler glass-lined Tanks, 40 gal.
2—500 gal. glass-lined Tanks.

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1—A.T.&M. 40" Suspended Type Centrifugals, 40 HP, 1,200 RPM.
7—Tolhurst 32", 40", 45" Self-Balancing Type Centrifugals, steel and copper baskets.
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1—Sharples No. 6 Pressurtite Centrifuge.
1—Sharples No. 6 Super Centrifuge.
2—De Laval No. 600 Clarifiers.

MIXERS

2—Baker Perkins 100 gal., Type JNM, jacketed, sigma blades.
2—W.&P. ½, 9 and 20 gals.
1—Readco 4 gal., double arm, stainless.
9—New 1,000 lb. Dry Powder, motor driven.
2—2,000 and 3,000 lb. Dry Powder.
2—Portable Agitators, explosion-proof, ¼ HP, 400 RPM.
2—30 & 100 gal. Lead Mixers.

DRYERS

1—Lectrodryer C-75, 750 C.F.M., activated aluminum.
1—American 42" x 10' Atmospheric Double Drum.
1—22" x 60" Atmospheric Drum.
1—Buflovak Vacuum Drum, 24" x 20".
2—Rotary Vacuum 5' x 32'.
1—Atmospheric 2 Truck, steam heated, 700 sq. ft.
1—Rotary Steam Tube Dryer, 6' x 25'.

MILLS—PULVERIZERS

1—Eppenbach Colloid Mill, stainless steel, ½ H.P.
1—Lehman 8-Roller Mill, 7" x 14".
1—Hardinge 6' x 22" Conical Steel-Lined Ball Mill, with feeder and 10' Gayco Air Separator.
1—Hardinge 36" x 24" Conical Steel-Lined Ball Mill.
1—Gruendler Master Hammer Mill, 10 HP motor.
3—Ball & Jewell No. 0 and No. 1 Rotary Cutters.
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1—Abbe 10 Jar Mill, with 10 ¼ gal. jars.
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15—Duriron, Lead, Haveg, Bronze & Stainless Centrifugal Pumps, ½" to 3".
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11—Sharples No. 5A Stainless Oil Centrifuges, late type, 2 H.P.
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10—Day Dry Mixers, 50, 100, 200, 400, 500 & 1,000 lbs.
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1—Oliver Rot. Vac. Filter, 5'x10'.
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1—Tyler-Hummer 3' x 6' surface screen.
75—36" x 36" Cast Iron Filter Press Plates and Frames.
1—Stokes No. 149 B Vac. Pump.
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1—Sturtevant 36" Rock Emery Mill.
1—Gruendler 5" x 6" Jaw Crusher.
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1—Dopp Special High Jacketed Kettle, 300 gals., Style "D" Double-Motion Agitator.
3—Shriver C. I. Filter Presses, open delivery, 30" x 30", 52 Chambers, 42" x 42", 64 Chambers.
3—Baker Perkins Stainless Steel Jacketed Mixers, Sigma Blades, 50 gals., 100 gals.

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1—No. 1 Gruendler Pulverizer & 7½ HP motor.
1—No. 3 Mikro Pulverizer & Motors.
1—No. 2 Mikro Pulverizer & Motors.
1—6 ft. Gayco Separator & 5 HP motor.
1—30" Raymond Separator & 3 HP Motor.
1—Model 100 Sprout Waldron "V" Style Mixer.
2—24" x 24" Sperry Plate & Frame Iron filter presses.
1—36" x 36" Shriver Plate and frame Wood Filter Press.
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10—Spiral and paddle type mixers from 50 lbs. to 2,000 lbs.
1—Kent, 3 roll, water cooled mill.
1—Kux Lohner tablet press up to 2½".
2—Pony mixers, 8 gallons and 20 gallons.
1—500 gallon, double agitated sulphonator.

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40—Agitators, from ⅛ HP to 3 HP, slow and high speed.
1—Pneumatic packaging machine, 4" x 1½" x 6".
8—Filter presses, from 7" x 7" to 30" x 30", open and closed delivery.
2—U. S. & Karl Kiefer bottle rinsing machines.

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All Other Classified Advertisements—$5.00, thirty-six words or less: 85c for each additional six words or fraction.

AGENCIES OFFERED

The Australian Government Trade Commissioner, 630 Fifth Avenue, New York City, advises that he receives from time to time requests from Australian exporters of eucalyptus oil and other oils who desire to establish United States connections. The Trade Commissioner would be glad to hear from reputable firms which have had experience in distributing such goods and who desire to be advised of enquiries from Australia.

AGENCIES WANTED

Manufacturers representative, highest type chemical salesman, eight years experience leading concerns marketing chemicals, plastics, solvents, desires to represent manufacturers of basic materials, preferably eastern seaboard. Have national following. Age 34, married. Highest references. OPD 918.

EQUIPMENT OFFERED

New Premier 3 in. & 6 in. Colloid Mills; 26 in.-40 in. Tolhurst Centrifuges; Ross 50-gal. semi-paste mixer; Ross 25-gal. double arm dough mixer; 4500-gal. closed steel storage tank; 2500-gal. open tank Duplex Steam Pumps, 4½x2¾x4—7x3½x8 bronze valves, 7½x4½x6. Lawler Company, Metuchen, N. J.

Paste Mixers—225-500 gallon sizes, heavy duty, reduction unit drive direct from motor. Paint reducers and blenders 250-1000 gallon. New. Prices and photos upon request. Eagle Chemical Coatings, 1101 Center Street, Cleveland 13, Ohio.

For Sale: Ross paint mill, 3-steel rolls, 16 in. x 40 in., excellent condition, 20 H.P. motor incl. Will sacrifice. A. & H. Paint Co., 472 So. Brehl Ave., Columbus, Ohio. Randolph 3200.

Signs, name-plates, hand lettered to order (any wording, any size, any color). Also, artwork, displays, screen process printing (any amount). Fast, reasonable, service, anywhere on earth. (Write for prices, send details.) Anthony DiGrezio, YD Sign Shop, 19 Shawmut Street, Boston (U. S. A.) Massachusetts.

For sale: used chassis, tank trucks and truck tanks, list sent upon request. M. S. Charlton, The Atlantic Refining Co., P. O. Box 7258, Philadelphia 1, Pa.

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BOTTLE CLEANERS

9—Pneumatic Scale Automatic inverted type air blower.
2—U. S. Rotary Automatic 60-bottle capacity rinser.

CAPPERS

3—Pneumatic Scale 6-head Auto.
1—Liq. Carb. 6-head Crowner.
1—Resina Single Head Automatic.

COLUMNS

1—Cast Iron Bubbler Plate, 20" dia., 20 sections each 8½" high, one plate per section and eight caps per plate.
1—Copper Continuous type, 30" dia., 14 chambers each 18", top 30" and bottom 42". This unit is block-tinned throughout.

CONVEYORS

12—Belt type 6" to 22" wide, 16' to 117' lg. Complete with motor and drives.
1—NEW Portable belt type 12" wide, 10' long.

CRUSHERS

8—Jaw type Allis Chalmers, 6" and 10".

FILLERS

1—Karl Kiefer Viscose Piston type.
1—Consolidated Powder, Auto. Type, Stainless.
1—MRM 12 Spt. Vacuum, Stainless Contact parts with conveyor.

FILTERS

2—Shriver, 30" x 30", 46 wood plates and frames.

1—Press, 35 Recessed plates, 30" x 30", C.I. 1¼" thick, open delivery, center feed, R.C.

1—Sweetland, No. 5 Pressure leaf type.
1—Kelly 450, Pressure leaf type.
1—Oliver rotary continuous, 4' x 5' and 8' x 12', acid type.

CENTRIFUGALS

1—Denver Co. 20" bronze basket.
2—Sharples Pressuretite No. 6 Centrifuge.
1—Tolhurst 36" suspended bronze basket.

KETTLES

24—NEW Stainless 20, 50, 150, 200 and 300 gals. capacity 100 lb. W.P. in jacket.
8—Copper jacketed; 50, 65, 75 and 100 gals.

LABELERS

1—Liq. Carb. O-J Rotary Auto. duplex.
2—Ermold Standard 8 wide Auto.
1—World Auto. St. line, duplex.
1—World Auto. St. line, Model H.
1—World Auto. Straightline, front and back, Model HS.
5—World Rotary Auto., Single station.
3—O-J Rotary Auto., one station.
1—New Jersey auto., front and back model 86 ML, Tandem.
1—N. J. Pony Labelrite, semi auto.
5—World Improved semi auto.
3—Ermold semi auto.
5—Burt & Standard Knapp Wrap Around Type Label.

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For sale—1 filter press, 1 stone mill; Lacquer & Chemical Corp., 214 40th St., Bklyn. STerling 8-3131.

For sale: Carload of 12-gallon carboys, boxed. Like new. Reasonable. OPD 923.

FACILITIES OFFERED

Fine grinding and blending capacity available. Wide range of materials and quantities accommodated in clean shop. Ideal arrangement for consultants or supplementing small plant operation. OPD 902.

MATERIALS OFFERED

Bichromate potash packed in barrels. Available for prompt delivery. OPD 897.

For sale—40,000 pounds of Glycox 1300, emulsifying agent, for use in manufacturing Chlordane and DDT emulsion. Price 18c. per pound f.o.b. Chicago in 450 pound non-returnable drums. The Stepan Chemical Company, Chicago 22, Illinois.

For sale—20,000 pounds or any part thereof pure, technical grade DDT powder packed in 5-pound tins—6 tins or 30 pounds to a carton. Flows easily. Price 35c. per pound in 5,000-pound lots or more; 38c. per pound in 1,000-pound lots; 42c. per pound in 90-pound lots or more. OPD 919.

Triple Superphosphate: Will exchange for muriate of potash or manure salts, ton for ton at market prices. OPD 922.

MATERIALS WANTED

Do not wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities, all kinds. Particularly interested in gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. OPD 904.

Pure Titanium dioxide pigments wanted. Will pay reasonable premium. Call Mr. Zakary, Newburgh, New York, Phone 4926, or write P. O. Box 671.

Lithopone, Titanated lithopone, Titanium dioxide. Reasonable premiums. Give full particulars. OPD 920.

Wanted: Amino pyrene, quinine ethyl carbonate, phenacetin, thymol crystals and folic acid crystals. Mac Tysla, 25 Coenties Slip, New York City. Phone BO 9-3187.

PHOSPHATE LEASE

U. S. Department of the Interior, Bureau of Land Management, Washington 25, D. C. Notice is hereby given that sealed bids will be received until 1 p.m., Eastern Standard Time, October 1, 1947, for the following described land situated in Bingham County, State of Idaho: SW¼NE¼, E½NW¼, NW¼SE¼ sec. 31, T. 1 S., R. 39 E., B.M., 160 acres. This land is offered at a minimum bid of $2 an acre to qualified bidders of the highest cash amounts per acre, as a bonus for the privilege of leasing under the phosphate provisions of the act of February 25, 1920 (41 Stat. 440, 30 U.S.C. sec. 211), subject to a minimum investment of $12,000 during the first three years of the lease, a minimum annual production of 1,000 tons per year, commencing with the fourth lease year and the following royalty provision: The royalty rate shall be 5 per cent of the gross value on all run-of-mine, crushed, pulverized, or beneficiated phosphate rock sold or used by the lessee for the manufacture of phosphate and on all associated products produced from the leased land, f.o.b. the point of shipment. Such royalty shall not be less than 15 cents a ton of 2,000 pounds, mine run, for phosphate rock analyzing on a B. P. L. basis 55 per cent or less, plus 1 cent a ton for each per cent contained B. P. L. above 55 per cent, averaged for the royalty period. It is expressly agreed that the Secretary of the Interior may establish reasonable minimum values for the purpose of computing royalty on any phosphate rock and associated products, due consideration being given to the highest price paid for a part or a majority of the production of like quality products from the same general area, the price received by the lessee, posted prices, and other relevant matters. All bids, the minimum of which must be $2 an acre, must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., and each bidder must submit with his bid one-fifth of the amount bid in cash or by certified check on a solvent bank, or by money order, made payable to the order of the Treasurer of the United States, and file the showing of qualifications to receive a lease, required under 43 CFR 196.6 (b) and (c). The envelopes shall be plainly marked, "Bid for phosphate lease. Not to be opened before 1 p.m., Eastern Standard Time October 1, 1947." No bids received after the hour fixed herein for receiving bids will be considered. Prior to the issuance of a lease, the successful bidder must pay the remainder of his bid, the annual rental at the rate of 25 cents an acre, and a filing fee of $10, and furnish lease forms and a bond with approved corporate surety in the sum of $5,000. (43 CFR 196.12). The deposit of the unsuccessful bidders will be returned upon acceptance of the successful bid. Bidders are warned against violation of Section 59, U. S. Criminal Code, approved March 4, 1909, prohibiting unlawful combination or intimidation of bidders. The right is reserved to reject any and all bids. Fred W. Johnson, Director.

POSITIONS VACANT

Pacific coast large paint manufacturer seeking young man for purchasing department. Someone now acting as assistant and well experienced is desirable. In answering, please give age and salary desired. OPD 888.

Chemist, color matcher: Experienced in formulation litho and printing inks. Write at once giving full details as to age, experience, salary, etc., to: Fuchs & Lang Division (Sun Chemical Corporation) 1215 W. Washington Blvd., Chicago 7, Illinois.

Technical representative—Midwestern oil company needs man under forty for sales service work on petroleum naphthas. Prefer chemical engineer with experience in paint, varnish and lacquer formulations. OPD 914.

POSITIONS VACANT

Wanted: Chemist and bacteriologist to supervise manufacture of parenteral products. Splendid opportunity for the right man. Best references and educational qualifications required. This is a permanent connection with a rapidly growing manufacturer of ethical pharmaceutical products in the middlewest. OPD 921.

SODIUM LEASE

U. S. Department of The Interior, Bureau of Land Management, Washington 25, D. C. Notice is hereby given that sealed bids will be received until 1 p.m., Eastern Daylight Saving Time, September 25, 1947, for the following described land situated in Divide County, State of North Dakota: S½SE¼ sec. 14, T. 163 N., R. 103 W., 5th P.M., 80 acres. This land is offered to qualified bidders of the highest cash amounts per acre as a bonus for the privilege of leasing under the sodium provisions of the act of February 25, 1920 (41 Stat. 437), as amended December 11, 1928 (45 Stat. 1019; 30 U.S.C. secs. 261, 262), subject to a royalty of 5 per cent of the gross value of sodium compounds and other related products of the point of shipment to market, a minimum investment of $20,000 during the first three years of the lease and a minimum production beginning with the fourth lease year to a gross value of not less than $20 an acre. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., and each bidder must submit with the bid one-fifth of the amount bid in cash or by certified check on a solvent bank, or by money order, made payable to the order of the Treasurer of the United States and file the showing of qualifications to receive a lease, required under 43 CFR 195.24 (b) and (c). The envelopes shall be plainly marked, "Bid for sodium lease. Not to be opened before 1 p.m., Eastern Daylight Saving Time, September 25, 1947." No bids received after the hour fixed herein for receiving bids will be considered. The remainder of the bonus and the annual rental at the rate of 25 cents per acre must be paid and a corporate surety bond in the sum of $5,000 must be furnished by a successful bidder prior to the issuance of a lease. (43 CFR 195.20). The deposits of the unsuccessful bidders will be returned upon acceptance of the successful bids. Bidders are warned against violation of section 59, U. S. Criminal Code, approved March 4, 1909, prohibiting unlawful combination or intimidation of bidders. The right is reserved to reject any and all bids. Fred W. Johnson, Director.

British Petroleum Board To Be Dissolved Dec. 31

Great Britain's Petroleum Board, comprising representatives of every company distributing petroleum in the United Kingdom, will be dissolved December 31, 1947, it was announced by the British Ministry of Fuel. There will be no changes in the regulation of petroleum imports, price controls or rationing.

POSITIONS WANTED

We supply technically trained and experienced executive, purchasing, sales, production, research, development, patent and control personnel to the chemical process industries. Chemical Department, Position Securing Bureau, Inc. (Agency), 45 John Street, New York City. Telephone COrtlandt 7-9650.

Chemist with two years experience on all types insecticides and two years work on oil, fats, and waxes, desires position of technical sales in the above field. OPD 915.

Manufacturer's Agent wants lines allied to essential oil and aromatic fields. Botanicals or chemicals used by the drug, cosmetic and flavor industries. Address, OPD 916.

Chemist, 26, M. S. degree. 2 years' experience research and product development of synthetic detergents, emulsions, textile finishes, synthetic organic chemicals. Available immediately, New York City. OPD 917.

Trade Briefs

Sherwin-Williams Company, paint manufacturer, Cleveland, has opened a new paint store in Atlanta, Ga.

Phillips Petroleum Company, Bartlesville, Okla., estimates that it had proved oil reserves of 1,179,000,000 barrels in the United States on December 31, 1946, or 2.35 percent more than in 1945. Natural Gas reserves were estimated at 15,900,000,000,000 cubic feet at the end of 1946, 2.97 percent over 1945.

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1—Republic Flexmaster Filter 16" square, 20 plate.
2—125 Gal. Copper Jacketed Kettles.
5—1,000 Gal. Stainless Steel lined Wood Tanks.
3—2,500 Gal. Copper Tanks, horiz., insulated with agitator, coils.
2—400 Gal. Stainless Steel Jacketed Tanks.
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Manager Wanted

American manufacturer, importer, exporter, and distiller of essential oils and aromatic chemicals, fruit flavors, with offices in New York City, is looking for a man with years of experience in this industry. Must have ability to manage sales, production, and importation of complete line. Age limit about 50. Compensation for qualified man unlimited. Give complete details. Box 913, Oil, Paint & Drug Reporter.

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Trade Briefs

Californ'a Standard Oil Company has acquired the marketing facilities and business of Signal Oil Company, subsidiary of Signal Oil & Gas Company.

Crude oil produced in California for the week ended August 9 is estimated by the American Petroleum Institute to be 921,000 barrels daily, compared with 876,800 barrels daily produced during the corresponding period in 1946.

Texas Company has registered 2,248,932 shares of $25 par value capital stock with the Securities and Exchange Commission, Philadelphia, which will be offered to holders of its outstanding capital stock at a price not yet disclosed.

Sinclair Panama Oil Corporation has commenced drilling operations on its first well on Colon Island, Boscas Del Toro, Panama.

Atlantic Refining Company, Philadelphia, has assigned Donald F. Rugen to its research and development department.

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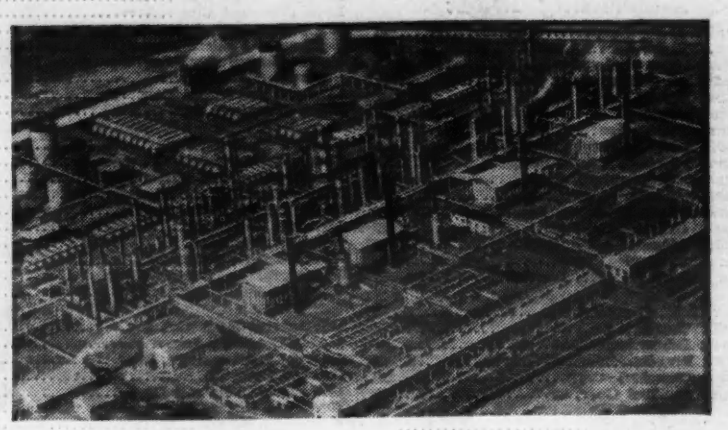

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For Over Three Decades

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Clays	Manganese Oxide	Tall Oil

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Representing Manufacturers of National Reputation

Available Technical Data Upon Request

SMITH CHEMICAL & COLOR CO.

INCORPORATED 1919

55 John Street Brooklyn 1, New York